

16.9.26
Vol. XXIV.

Part 9.

[Registered at the General Post Office, Melbourne, for transmission by Post as a Newspaper.]



PRINCIPAL CONTENTS

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with List of Cows in Order of Merit

The Pig Industry

Incubation and Chicken Raising

The Dairying Industry in Victoria:
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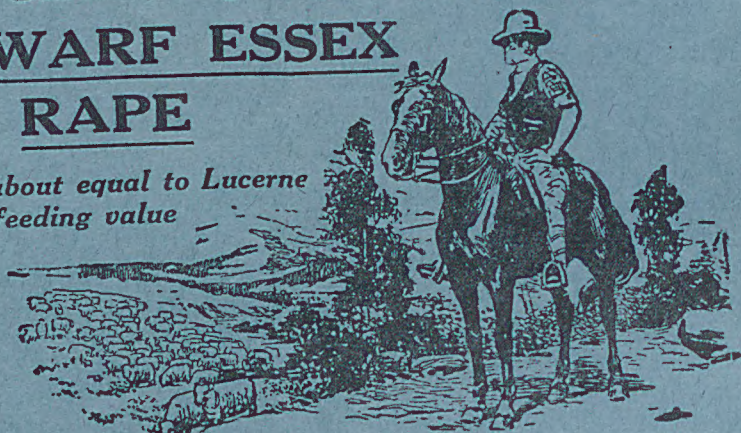
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CONTENTS.—SEPTEMBER, 1926.

	PAGE
Standard Herd Test—Report for the year 1925-26 ... <i>A. J. Gill</i>	513
Herds in Order of Merit	531
Cows in Order of Merit	532
Mature Cows	532
Senior 4-year old	539
Junior 4-year old	541
Senior 3-year old	542
Junior 3-year old	545
Senior 2-year old	547
Junior 2-year old	550
The Dairying Industry in Victoria : A Historical Sketch ... <i>R. Crowe</i>	556
Incubation and Chicken Raising <i>W. C. Rugg</i>	562
The Pig Industry (continued) <i>R. T. Archer and A. J. Gill</i>	567
The Wattle Disease in Fowls ... <i>J. E. Thomas, B.Sc., B.V.Sc., B.Ag.Sc.</i>	575

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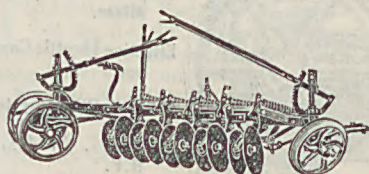
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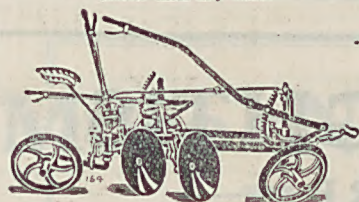


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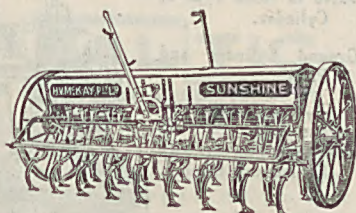


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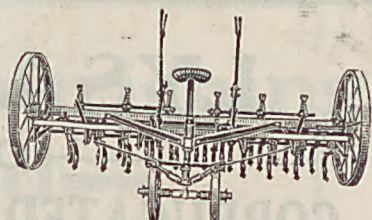
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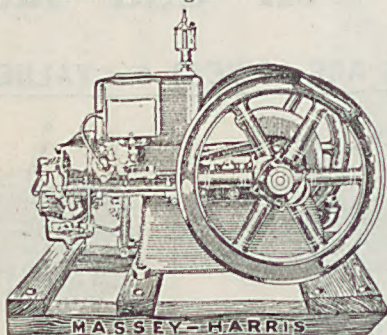
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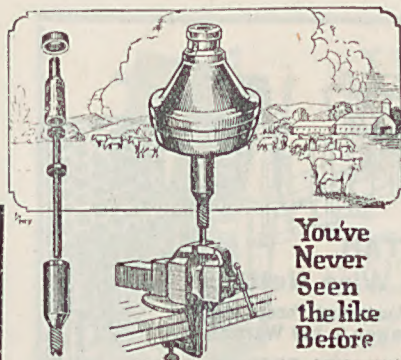
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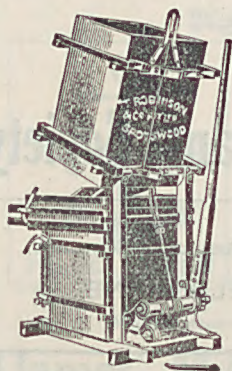
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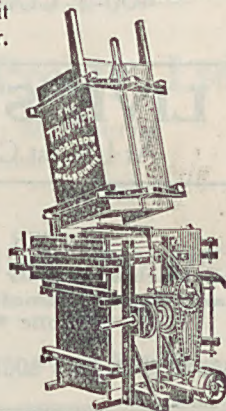
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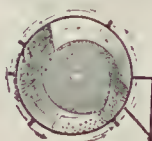
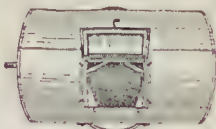
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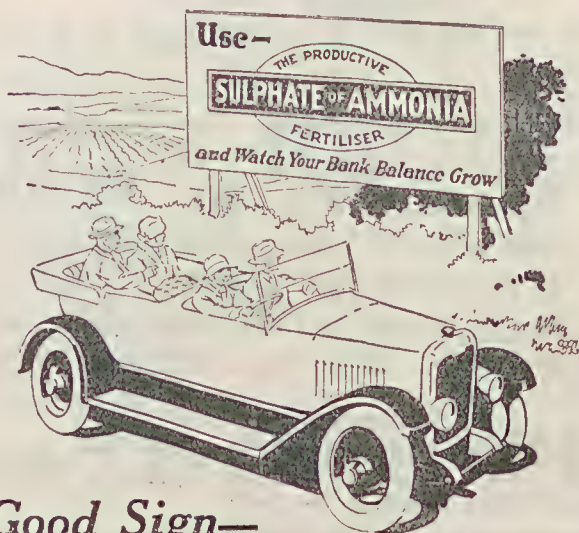
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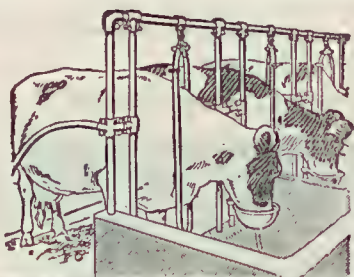
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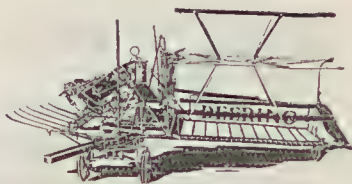
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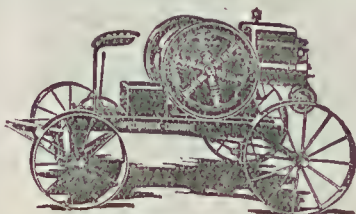
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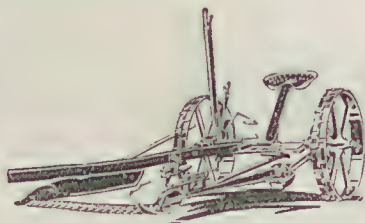
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THE JOURNAL
OF THE
Department of Agriculture
OF
VICTORIA.

Vol. XXIV.

September, 1926.

Part 9.

STANDARD HERD TEST.

Conducted by the Department of Agriculture.

REPORT FOR THE YEAR 1925-26.

By A. J. Gill, Senior Herd Tester.

The Possibilities of the Industry.

The importance of the dairying industry to this State is little understood or appreciated, even by those intimately associated with it. As human food, milk and milk products occupy a notable position, and it is safe to say that were their nutritive values properly recognized the demand for them would be greatly increased, with a resultant expansion of the industry. In no other form of food are the necessary nutrients so perfectly blended or so cheaply supplied as in milk and cheese, the relative values of which, compared with meat, eggs, and fish, are strikingly shown in the diagrams on pages 514 and 515.

As a source of national wealth, the dairying industry of Victoria ranks very high, the produce furnished by it having an annual value of approximately ten and a half millions sterling, and it is not too much to expect that within a decade this amount will be doubled.

The possibilities of the industry are enormous, and as the closer settlement of the country proceeds, there must necessarily be a steady increase in the number of dairy farmers by reason of the opportunities which dairying offers for the successful and profitable utilization of small holdings.

Because of the comparatively low prices which have ruled for butter-fat for some time, dairying has been somewhat out of favour, but there is plenty of convincing evidence that, with the adoption of more efficient farming methods, financial returns will become far more satisfactory than they are to-day. Some of the methods by which dairying could be made more profitable are the introduction of systematic herd testing, the top-dressing of pastures, and the cultivation of adequate supplies of fodder.

In the breeding of stock the farmer has opportunities of studying the dominant and recessive characters of different strains, and in the feeding and general treatment of cows with a view to improving the milk yield there is a wide field—one might almost say unlimited—for the exercise of skill, judgment, and knowledge.

For those with a moderate amount of capital dairying affords a good opportunity. No other business is so closely related to the home-life, and probably there is none other where a wife's assistance is of more value; indeed, should the need arise, the wife herself can see that the work is satisfactorily done. It is not suggested that the wife should go into the yard and toil like a man, but she can take a keen personal interest in the various phases of work on the farm, and will often formulate plans for the betterment of conditions there. Indeed, it is on farms where the wife is an interested partner that we see the best results obtained.

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THE CHEAPEST & BEST OF FOODS



1 QRT 8 PENCE

**EQUAL IN
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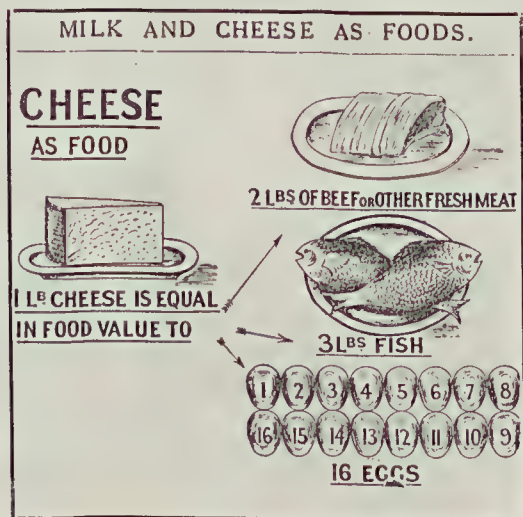
Frequently dairying is spoken of as drudgery, thereby meaning persistent hard work without interest or reasonable returns. Work of any description, when performed with inferior tools, becomes very laborious and uninteresting. So, in the case of a farmer, dairying with a herd of nondescripts incapable of paying for the food consumed, his work is a daily grind instead of a genuine pleasure, and his outlook is not one of hope, but of despair.

The Standard Herd Test—Its Beginning—What it has Attained.

The introduction of the Government Herd Test some fourteen years ago was the first definite step towards an improvement of the lot of the dairy farmer. The scheme was the outcome of much deliberation and careful thought, and probably at the time was the best testing scheme that had been instituted in any part of the world. It was realized by the Department that only through the medium

of first-class pure-bred sires could the standard of the ordinary dairy herds be effectually raised, and the scheme has directed attention to the possibilities accruing from the use of such sires. Also, it has proved that besides mongrel "scrubs" there are pure-bred "scrubs," and, further, it has demonstrated that better feeding methods give better milking results.

The first step necessary was to bring about an improvement in the pure-bred stock, and reveal the best producing families and strains of stock, so that the farmer might know where the type of animals he required could be obtained. By only one method could this be accomplished, and that was by testing. An important regulation of the scheme stipulated that a breeder entering his herd must submit to the test every pure-bred cow owned by him. Had the Department allowed breeders to test only two or three of their best animals, many more herds would have been entered, but there would have been the danger of bull calves from the "duds" finding their way into herds



on the performance of a relative. One cow may be good, but her half-sister, sired by a different bull, utterly useless. This regulation is of vital importance, first, to protect the farmer, and secondly, to bring about a consistent improvement in the pure-bred herds.

A farmer can now purchase with confidence from herds that have been under test for several years, and in which every cow is a good producer. The low-testing families have been discarded, only strains showing the power to transmit the desired characteristics reserved. The aim has been not to secure high individual records, but rather general herd improvement.

In other parts where breeders were allowed to test a few of their best cows, the "duds" remain on the farm, with the result that bulls from these will eventually be used in dairy herds and thus improvement will be retarded.

In conducting the test, every care is taken to make it reliable and accurate. A sample is collected from both the morning's and the

evening's milk, and each of them is tested separately. The milk is never tested on the farm, but by a qualified chemist in the laboratory of the Department of Agriculture. Thus the possibility of an owner influencing a tester in any way, if not prevented altogether, is made very slight indeed. Those whose duty it is to collect samples are frequently transferred from one place to another, and a collector at a farm to-day does not know whether ere the next samples are due to be collected there, he will not have been sent to another district, or whether in the meantime the Department will make a check test.

The period fixed for testing is 273 days. This gives uniformity, and allows the breeder to dry his cows off and give them a rest before



Champion Cow.

Mr. J. Platfuss's Westmere Oakwood Piebe.

(Born 20.11.19.)

Season.	Milk. lb.	Test.°	Butter Fat. lb.
1922-23	11,620	3.27	380.45
1923-24	18,941	2.88	544.54
1924-25	21,786	2.92	635.71
1925-26	24,787	2.03	726.22

they calve again. A long test is not encouraged, and is not sought by practical men. They know that if they wish to rear a healthy calf each year the cow must have a chance to recuperate. A twelve months' test places an undue strain on any animal, and usually means that she is not permitted to be served by the bull at the normal time, so that she may be kept in milk, simply for the sake of a record which is of no practical value, and is useless for the sake of comparison; indeed, it tends to mislead the purchaser, who may inadvertently compare it with other records made during nine months by cows in calf.



The Champion Herd.
(Messrs. Flack and Gamble's No. 1 Herd.)



Westmere Oakwood Piebe. Westmere Oakwood Duchess.
Half-sisters.

(Mr. J. Platfuss's.)

For record of Westmere Oakwood Phiebe—see page 516.

Westmere Oakwood Duchess (born 10.11.19).

Season.	Milk. lb.	Test.	Butter Fat. lb.
1921-22	10,319	3'41	351'95
1923-24	9,340	3'42	318'98
1924-25	19,017	3'37	638'43
1925-26	19,420	3'62	702'97



The Junior Four-year-old Winner.
Mr. O. Syme's Bainfield Topsy 13th.

(Born 30.8.20.)

Season.	Milk. lb.	Test.	Butter Fat. lb.
1924-25	14,455	4'10	593'29

The publication of the records of cows under test by the Department year after year, illustrating the improvements that can be made, has gradually awakened the farmers throughout the State to an appreciation of the value of good sires, and of the necessity for testing and culling. Consequently numerous local Herd Testing Associations, started by the Government Dairy Supervisors, are receiving warm support. Good pure-bred bulls are being introduced and yields are rising rapidly. Some herds are gradually creeping up to the standard of 400 lb. of butter-fat. What a difference when compared with the average return of 160 lb. of butter-fat for cows throughout the State!

These district associations are being subsidized by the Department under conditions which make it necessary that within fifteen months of the establishment of an association, 20 per cent. of the bulls



The Winning Junior Three-year-old.

Messrs. Flack and Gamble's Burnbank Bainfield Patch.

(Born 6.4.21.)

Season.	Milk. lb.	Test.	Butter Fat. lb.
1923-24	9,974	3'91	390'05
1924-25	15,591	3'81	606'75

being used for service in the herds of members shall be pure-bred and from dams which, under Government test, have reached the standard prescribed by the regulations governing the testing of pedigree herds, and that thereafter the percentage of record-bred bulls must increase at the rate of 20 per cent. per annum. The insistence that bulls should be from cows proved by the Government Herd Test was simply to protect purchasers, and its necessity is obvious. The condition requiring the gradual elimination of "scrub" bulls and bulls from families of unknown milking merit was designed so as to prevent as far as possible any unnecessary hardship.

Some breeders who have avoided the test would no doubt like to see the deletion of the requirement that bulls used must be the progeny

of a Government certificated cow, so that they might have the opportunity to sell their young bulls to farmers in the Herd Testing Associations, as well as to others. But to permit this would be a retrograde step, as the purchase of bulls from untested herds might involve a farmer in serious financial loss, and in these days when rewards are for the efficient, anything likely to hinder progress must as far as possible be guarded against.

Dairymen, when purchasing bulls or heifers at sales, should carefully note the way in which some of the animals are catalogued, otherwise they may be misled. I have seen a catalogue with the records of two well known high-producing cows printed below the name of the animal for sale, though a study of the pedigree revealed only a distant relationship traced back through the ancestors, and, as

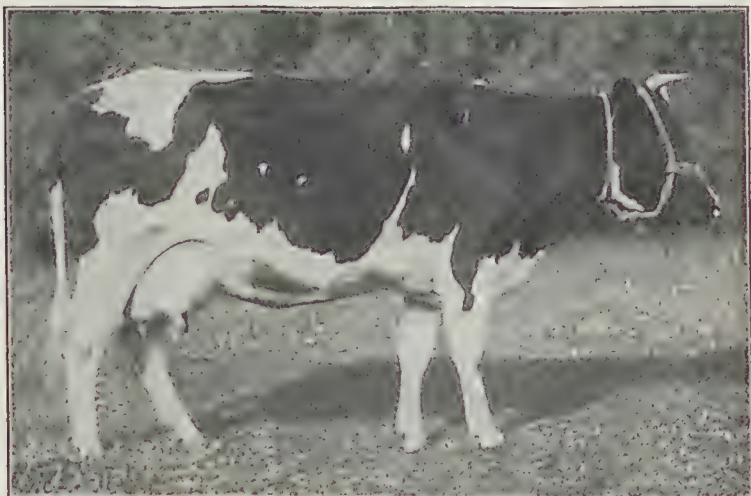


Dominion Oakwood.

(Sire of both Champion and Reserve Champion Cows.)

a matter of fact, the cow for sale came from a non-tested herd. It is exceedingly hard to understand why those opposed to herd testing should seize on the records of distant relatives of their animals as a means of increasing the sale value of their cows. If testing is not worth while, why use test records?

The sooner all "scrubs" are exterminated the better, and it is to be hoped that ere long no prize will be awarded at the Royal Show to cows in dairy classes unless they have first secured their certificate in the Government Standard Herd Test. This year the results of the tests just concluded have been very gratifying, notwithstanding the fact that drought conditions prevailed during a portion of the year. Sixty-two cows passed the 500-lb. standard, including six that gave over 600 lb., and two that yielded over 700 lb. As bulls from these herds find their way into the 'ordinary grade herds,' there must be a considerable rise in their yield.



The Senior Two-year-old Winner.

Mr. J. N. Ferguson's Burnbank Woodcrest Marchioness.

Season.	Milk. lb.	Test.	Butter Fat. lb.
1925-26	16,398	3.59	588.36



The Junior Two-year-old Winner.

Mr. J. Platfuss's Greenvale Dolly 3rd.

Season.	Milk. lb.	Test.	Butter Fat. lb.
1925-26	14,842	3.47	515.58

In several instances the yields of cows in herds under the Standard Herd Test have shown a vast improvement over that of their mothers. In the case of Greenvale Dolly 3rd (a two-year-old) her yield was 317 lb. in excess of that recorded for the dam when the same age. Another case is that of Cherry of Willow Park whose yield was 292 lb. over that of her dam. Such an improvement in one generation gives an indication of what can be attained by the use of a good sire.

Exception has been taken to the cost of carrying out the official testing, but it is safe to say that the expense incurred has formed one of the best investments the Government has ever made, and that already it has been repaid ten times over.

The use of a pure-bred sire from a high-producing family may mean all the difference between success and failure. Again and again it has been observed that the purchase of a pure-bred bull has been the secret



Messrs. Flack & Gambles's H. Land Lass 2nd of Berry.

(Born 19.7.16.)

Season.	Milk. lb.	Test.	Butter Fat. lb.
1919-20	5,196	3.93	204.20
1920-21	11,516	3.64	418.97
1921-22	11,864	3.41	404.05
1922-23	15,791	3.58	565.56
1923-24	17,901	3.35	599.85
1925-26	21,949	3.10	679.99

of financial success, and with the gradual improvement that resulted in his herd, the individual farmer has taken a livelier interest in his work, and has fed his cattle better and evinced a pride in them that was unknown a few years before. He finds pleasure in his tasks that was lacking before, for nothing gives more happiness than, or stimulates enthusiasm to such a degree as, the knowledge that one is succeeding.

A Good Bull is Absolutely Essential.

The cheapest way of all to raise a really payable herd is by the purchase of a bull capable of begetting good milkers. To the struggling



The Second Prize Herd. (Mr. P. J. Maloney's, Tongala.)

Note the luxuriant growth of lucerne on which the herd is grazing.

farmer, however, the price required for a pure-bred bull appears to be a serious obstacle, and out of all proportion to that of the ordinary "scrub," which can be obtained sometimes at from 30s. to 40s., or even less, in the local sale-yards.

The point is overlooked that, in a few years, the blood of the bull used will compose 50 per cent. of the blood of the herd. In the case of the "scrub," 90 per cent. of the heifers at least will be inferior to their dams, and with a herd of 20 cows, this will probably mean a reduction in income of from £50 to £60 annually. On the other hand, the use of a good pure-bred bull from tested stock would mean that the returns from the herd would most likely be increased by 100 lb. of butter-fat per cow, which, at 1s. 6d. per lb., would mean £7 10s. per year, or an increase of £150 per year for the whole herd, and this in ten years would mean £1,500 extra cash in the bank.



Messrs. Flack & Gamble's *Leonora Canary* (imp).

(Born 5.3.18.)

Season.	Milk. lb.	Test.	Butter Fzt. lb.
1920-21	7,638	4.49	342.91
1921-22	8,076	4.07	329.05
1922-23	8,086	4.01	324.07
1924-25	16,254	4.10	666.37

Heifers by a good sire are worth, in the sale-yard when two years old, £2 a head more than those sired by "scrub" bulls. Thus the seemingly heavy cost of a bull from a tested herd would quickly be met by the difference between the return from the sale of a few heifers and what would be received from "scrub" animals, without taking into account the increased production.

In the first year of the test, the champion cow yielded 388 lb. of butter-fat; last year, the champion gave over 800 lb., and some of the competing herds reached an average of over 500 lb. of butter-fat per cow in nine months. The efficiency of these herds has been brought about by their owners continually aiming at higher standards, and that

is what the general dairy farmer must do; he must constantly strive to improve on previous results, instead of being content to carry on with a herd yielding only 160 lb. of butter-fat per cow yearly. He must make up his mind to own a herd averaging 400 lb. a head. With such, 1s. 6d. a lb. for butter-fat would prove more profitable than would 3s. per lb. with the average herd of to-day.

One point that cannot be too often stressed is that a farmer who has decided to improve his herd by the introduction into it of a fresh bull, should seek one from a tested herd with proved high-producing qualities. It is folly to buy on a relative's performance.



Mr. F. Raggatt's Goldy of Strathbow.

Season.	Milk. lb.	Test.	Butter Fat. lb.
1920-21	6,006	6.35	317.94
1921-22	6,293	6.26	393.94
1922-23	7,516	5.90	443.33
1924-25	9,786	5.86	574.25
1925-26	11,115	6.01	668.52

It would be beneficial if all breeders engaged in testing worked together, with the object of seeing that "scrub" bulls were exterminated, and money spent in effective propaganda for this purpose would be wise expenditure. A Live Stock Improvement Association, formed by testing breeders, might do much to improve the dairying industry, and there is plenty of room for better milkers.

Much praise is due to the Jersey and Friesian breeders, and to the one Shorthorn breeder, whose herds were competitors in the last test, for the high standard attained. The same is to be said of several young Ayrshire breeders, who are steadily building up good herds from tested stock. It is to be regretted, however, that the majority of the breeders of Ayrshires in the State have remained indifferent to testing—an

**Messrs. Flack & Gamble's Springfield No. 4.**

(Born 3.8.19.)

Season.	Milk. lb.	Test.	Butter Fat. lb.
1921-22	8,107	3'61	292'66
1922-23	6,957	3'68	255'85
1923-24	11,941	3'42	408'72
1924-25	18,231	3'51	640'51

**Messrs. Flack & Gamble's Dominion Iona.**

(Born 11.10.16.)

Season.	Milk. lb.	Test.	Butter Fat. lb.
1918-19	9,509	3'53	336'12
1919-20	6,583	3'42	224'91
1920-21	12,148	2'94	361'34
1921-22	12,303	3'11	382'17
1923-24	21,864	3'17	603'15
1925-26	20,032	3'23	647'14

attitude in striking contrast to that of breeders in the country where the Ayrshire originated, for Scottish dairy-farmers are perhaps the most ardent advocates of testing in the world.

The 1925-26 Winners.

This year, the champion award goes to Messrs. Flack and Gamble's No. 1 Friesian herd; the average yield per cow (including allowance) was 580.82 lb. butter-fat. The second-prize herd is owned by Mr. P. J. Maloney, of Tongala; the average yield (including allowance) was 474.81 lb. butter-fat.



Messrs. Flack & Sewell's Burnbank Mercedes Violet.
(Born 8.11.19.)

Season.	Milk. lb.	Test.	Butter Fat. lb.
1922-23	8,632	3'34	288'03
1923-24	9,348	3'53	330'20
1924-25	18,607	3'21	599'56
1925-26	18,077	3'35	605'57

Both the Champion and the Reserve prize for highest-yielding individual cows have been won by Mr. J. Platfuss. This is the first time that these prizes have been awarded to cows which were milked three times daily.

Mr. Platfuss has recognized that if the best results are to be attained by dairy cows, they must have an abundant supply of succulent fodder, and the luxuriant pastures which were growing on his farm during the lactation period undoubtedly played a big part in his success. Rye-grass and clovers grown under irrigation have given Mr. Platfuss wonderful results, and his example might well be followed by others throughout irrigation areas.

**Mr. C. Gordon Lyon's Molly 8th.**

Season.	Milk. lb.	Test.	Butter Fat. lb.
1922	5,516	5.50	303.53
1923	7,978	5.68	452.89
1924	9,886	5.44	538.14
1925	10,857	5.87	637.11

**Mr. O. Syme's Bolobek Anne.**

Season.	Milk. lb.	Test.	Butter Fat. lb.
1925-26	16,185	3.73	603.81

The leading cows in the various sections were:—

	Butter-fat.	Breed.
Champion Cow.—Westmere Oakwood Piebe	726.22	Friesian.
Reserve Champion Cow.—Westmere Oakwood Duchess	702.96	Friesian.
Senior Four.—Rosella 10th of King's Vale	518.56	Jersey.
Junior Four.—Bainfield Topsy 13	593.29	Friesian.
Senior Three.—Vanity of Woorayl	552.12	Jersey.
Junior Three.—Burnbank Bainfield Patch	606.75	Friesian.
Senior Two.—Burnbank Wooderest Marchioness	588.36	Friesian.
Junior Two.—Greenvale Dolly 3rd	515.58	Friesian.

The total number of cows tested during the period of test was 1,249, and of these, 842 were certificated.

New Herds entered for the 1925-26 Test.

During the year, seven new herds were entered. They were those of:—

- M. H. Adams, Foster.—Ayrshire.
- A. Ballsillee, Bendigo.—Jersey.
- J. E. Chadderton, Hamilton.—Jersey.
- R. P. Hastings, New Gisborne.—Jersey.
- E. H. Howlett, Morwell.—Jersey.
- L. Lowing, Tongala.—Jersey.
- A. C. Willis, Paschendale.—Jersey.

TABLE SHOWING YIELDS OF THE BEST COWS IN EACH YEAR'S STANDARD HERD TEST SINCE ITS COMMENCEMENT.

Year.	Best Cow over 4 Years old.	Best Cow Between 3 and 4 Years.	Best Heifer Under 3 Years.
	Lb. Butter-fat.	Lb. Butter-fat.	Lb. Butter-fat.
1913	388	311	256
1914	585	409	376
1915	706	499	446
1916	523	439	347
1917	542	425	347
1918	518	441	410
1919	577	519	494
1920	718	512	450
1921	581	582	427
1922	647	497	527
1923	616	524	486
1924	720	578	425
1925	843	563	514
1926	726	607	588

Special Herd Testing Prizes.

Presented by the Government of Victoria, conditional upon the winning cows, and three of the best cows from the winning herd, being exhibited at the next succeeding Royal Show, unless special exemption is granted.

1. *Grand Champion Cow*, under herd testing regulations.—A Grand Champion prize of £100, to be awarded to the cow securing position of annual champion for three years, not necessarily in succession. Not yet allotted.

2. *Annual Champion Cow* under herd testing regulations.—A prize of £10, to be awarded to the cow which, on completion of lactation period, gives the greatest amount of butter-fat under the herd testing regulations of the Department of Agriculture during a lactation period terminating within a year ending 30th June. If two lactation periods are completed within the year, the last will be the period considered.

Won by Westmere Oakwood Piebe. Owner: J. Platfuss.

3. *Annual Reserve Champion Cow*, under herd testing regulations.—A prize of £5 per annum, to be awarded to the cow attaining second place under the herd testing regulations of the Department of Agriculture during a year ending 30th June.

Won by Westmere Oakwood Duchess. Owner: J. Platfuss.

4. *Champion Herd*.—Prize £20; and

5. *Reserve Champion Herd*.—Prize £10.

To be awarded to the herds giving the greatest and the second greatest average returns under the herd testing regulations of the Department of Agriculture during a year ending 30th June, subject to the following conditions:—

(1) Minimum number of cows (completing the test during the year) in a herd, 10.

(2) Such herd to average 300 lb. of butter-fat.

(a) Handicaps will be allowed under the following scale:—

(1) In a herd of more than 10 cows, each cow will receive an allowance equivalent to $\frac{1}{2}$ lb. of butter fat for each cow in the herd.

(2) Cows commencing their first lactation period, and being then under three years of age, will receive an allowance of 75 lb. of butter-fat.

(3) Cows commencing their first lactation period, and being then over three years of age, and cows commencing their second lactation period, and being then under four years of age, to receive an allowance of 50 lb. of butter-fat.

Champion Herd Prize won by Messrs. Flack and Gamble's No. 1 Friesian herd.

Reserve Champion Herd Prize won by Mr. P. J. Maloney's Jersey herd.

Herds in Order of Merit.

Order.	Owner.	Breed.	Helpers.		Post Helpers.		Mature Class.		Total No.	Average of Herd.	Average with Allowances.
			No.	Average	No.	Average	No.	Average			
				Butter-fat.		Butter-fat.		Butter-fat.			
				lb.		lb.		lb.		lb.	lb.
1	Flack and Gamble (No. 1 Herd)	Friesian...	2	...	2	574*99	10	504*78	12	566*48	580*82
2	P. J. Maloney	Jersey ..	2	386*40	3	437*59	6	477*36	11	449*98	482*75
3	J. Platfuss ..	Friesian..	6	360*28	3	323*27	5	503*45	14	424*95	474*81
4	P. Chlraside ..	Jersey ..	6	401*60	2	402*02	3	457*24	11	410*90	472*46
5	O. Syme ..	Friesian..	5	291*47	2	385*73	5	506*90	12	421*94	467*53
6	G. Lyon ..	Jersey ..	9	317*31	3	402*02	14	473*60	26	411*27	456*00
7	Trevor Harvey	" ..	2	334*48	2	380*78	11	422*14	15	404*94	429*11
8	A. A. Broad	" ..	2	330*19	3	388*79	5	409*77	10	387*56	417*56
9	J. T. Tweddle (Sunbury Herd)	Friesian..	4	249*63	5	295*40	6	493*47	15	362*42	406*59
10	R. Maher ..	Jersey ..	4	288*31	1	436*11	8	404*78	13	371*35	404*77
11	A. W. Jones	Friesian..	7	294*42	2	300*98	13	403*75	22	364*99	404*39
12	J. D. Read	Jersey ..	16	280*63	" ..	" ..	8	417*03	24	332*09	394*09
13	E. Bidgood	" ..	7	390*64	1	301*56	5	383*06	13	339*91	390*64
14	W. K. Atkinson	Milking Shorthorn	3	297*97	5	353*15	11	364*27	19	350*88	383*95
15	Simpson and Charlton	Jersey ..	5	250*33	2	342*77	9	387*96	16	341*89	379*58
16	C. D. Lloyd	" ..	4	260*91	2	316*70	9	368*16	15	341*10	378*58
17	W. Woodmason	" ..	5	238*40	3	353*35	8	388*76	16	335*14	375*95
18	R. Henry	" ..	2	237*50	" ..	" ..	9	376*05	11	350*86	369*99
19	W. H. Atherton	" ..	3	265*97	1	337*22	6	381*50	10	342*10	369*91
20	Department of Agriculture	Red Polls	21	284*70	8	270*45	7	352*47	36	296*71	369*57
21	W. H. Axford	Jersey ..	2	298*19	1	349*10	8	353*57	11	343*09	366*77
22	F. Austin	" ..	8	270*53	4	311*00	4	381*15	16	308*30	366*30
23	K. McGarvie	" ..	12	264*66	9	312*75	20	335*51	41	312*22	365*94
24	Finn Bros. ..	" ..	2	305*68	1	318*02	7	357*59	10	343*24	363*24
25	C. Deverall	" ..	4	262*79	3	343*66	6	344*39	13	319*12	360*23
26	I. Beard	" ..	4	265*67	" ..	" ..	6	370*21	10	328*29	358*29
27	F. Trevasakis	" ..	4	257*20	1	228*31	5	387*35	10	319*39	354*39
28	H. Luxton ..	" ..	10	247*24	1	440*92	6	357*52	17	297*56	353*12
29	G. Gauge	Ayrshire	10	221*77	9	329*02	4	337*77	23	283*91	347*58
30	S. L. Robinson	Jersey ..	4	264*38	2	285*68	4	354*20	10	304*56	344*56
31	R. Lennie ..	" ..	4	276*77	" ..	" ..	8	324*43	12	308*54	339*54
32	Cockbill Bros.	Ayrshire	5	235*95	5	350*90	10	301*26	20	297*34	338*59
33	E. A. Dennis	Jersey ..	5	225*93	4	281*41	14	326*20	23	296*71	333*17
34	H. Allez	Friesian..	3	239*07	4	262*51	3	359*89	10	284*69	327*19
35	A. W. Gorman	Ayrshire	5	241*07	3	260*98	3	311*24	11	265*64	318*86
36	R. Ralston	" ..	5	217*87	4	289*73	9	302*03	18	275*22	316*86
37	Dookle College	" ..	3	223*09	1	272*97	7	305*48	11	280*05	310*55
38	Geelong Harbour Trust	" ..	3	217*32	8	241*70	14	298*23	25	270*43	307*93
39	J. G. Lobb	" ..	4	251*85	4	241*12	6	286*91	14	263*81	306*53



COWS IN ORDER OF MERIT.

MATURE COWS. (Over 5 Years at time of calving.) 350 lb. Standard.

Order of Merit.	Cow.	Owner.	Breed.	Milk. lb.	Average Test.	Butter Fat. lb.	Sire.
1	*Westmere Oakwood Piebe	J. Plattfuss	Friesian	24,787	2.93	726.22	Dominion Oakwood
2	*Westmere Oakwood Duchess	J. Plattfuss	"	19,429	3.62	702.97	Dominion Oakwood
3	*Holland Lass 2nd of Berry	Flack and Gamble	"	21,949	3.10	679.99	Sultan La Polka
4	Goldy of Strathbow ..	F. Raggatt	Jersey	11,115	6.01	668.52	Mac of Tarnpirr
5	*Leonora Canary (imp.)	Flack and Gamble	Friesian	16,254	4.10	666.37	Sir Canary Picble
6	*Dominion Iona ..	Flack and Gamble	"	20,032	3.23	647.14	Woodcrest Jo (imp.)
7	*Springfield No. 4 ..	Flack and Gamble	"	18,231	3.51	640.51	Rosevale Inka Sylvia Posch
8	Molly 8th of Banyule ..	C. G. Lyon	Jersey	10,857	5.87	637.11	Milkmaid's Chief of Banyule
9	Cherry of Willow Park ..	W. K. Atkinson	Shorthorn	16,245	3.83	622.69	Havelock of Darbalara
10	*Burnbank Mercedes Violet	Flack and Gamble	Friesian	18,077	3.35	605.57	Dominion Gay Mercedes
11	*Bolobek Anne ..	O. J. Syme	"	16,185	3.73	603.81	Rhoda Prince of Rubicon
12	Molly 6th of Banyule ..	C. G. Lyon	Jersey	13,135	4.55	597.62	Audrey's Lord Twylsh
13	Empress of Jerseyholm ..	T. Harvey	"	10,449	5.71	596.45	Emperor
14	Werribee Starbright 9th	C. D. Lloyd	"	11,221	5.28	592.18	Island's Butter King
15	Rosevale Jessie Posch ..	J. T. Tweddle	Friesian	19,275	3.06	590.66	Rosevale Korndyke Sylvia Posch
16	*Dominion Homestead Maggie	Flack and Gamble	"	18,235	3.23	589.83	Longbeach Primrose League
17	*Tarrawarra 56 ..	J. Plattfuss	"	19,285	3.05	588.36	Count Togo
18	No thorn Queen of Somerville	J. Hutchinson and Son	Jersey	10,672	5.49	586.20	Werribee Madeira's Northwood King
19	Ragtime of Warendale ..	T. Mesley	"	8,768	6.47	567.21	Jessie's Handsome Boy
20	Miss Guy of Tarnpirr ..	F. Trevaskis	"	9,468	5.95	563.62	Mythic's Choice
21	*Bolobek Agnes ..	O. J. Syme	Friesian	16,906	3.33	563.24	Rhoda Prince of Rubicon
22	*Burnside Korndyke Riverdale (imp.)	O. J. Syme	"	21,843	2.54	555.43	Sir Riverdale Echo Lyons
23	Butterclass of Belgonia	P. J. Maloney	Jersey	10,633	5.20	552.96	Laddie 2nd of Banyule
24	Beauty 4th of Somerville	J. Hutchinson and Son	"	10,797	5.09	549.62	Annette 2nd's Twylsh of King's Vale
25	Burnbank Woodcrest Segis	J. T. Tweddle	Friesian	14,526	3.78	549.04	Do Inion Woodcrest Piebe Mercedes
26	Dolly 4th of Glengowrie	J. R. Telford	Ayrshire	12,256	4.46	546.32	Bruce 2nd of Glengowrie
27	*Bainfield No. 40 ..	Flack and Gamble	Friesian	16,836	3.24	546.22	Medbury Prince
28	Graceful Countess of Lesterfield	T. Harvey	Jersey	9,166	5.81	532.23	Lesterfield Boy
29	Cosmos of Springhurst ..	R. J. Henry	"	8,152	6.51	530.42	Arcadia's Choice of Tarnpirr
30	Nictitana ..	Department of Agriculture	Red Poll	11,613	4.53	525.77	Nicotine
31	Silvermaine 18th of Banyule	C. G. Lyon	Jersey	9,975	5.27	525.54	Mabel's Chief
32	Beauty's Daffodil of Lesterfield	A. Fixter, jun.	"	10,459	5.00	522.57	Lesterfield Boy
33	Pansy 4th of Ferntree Vale	Gibson Bros.	"	9,037	5.76	520.47	Linda 15th's Twylsh of King's Vale
34	Bolobek Anabell ..	O. J. Syme	Friesian	12,978	4.00	518.72	Indulge Johanna Lad
35	May Queen 2nd ..	A. W. Jones and Son	"	11,280	4.57	515.74	Annette's Prince
36	Cecilia of Woorayl ..	Leongatha High School	Jersey	9,840	5.20	511.73	Butter Boy
37	Countess Lulu of Corfield	L. L. Russell	Friesian	14,427	3.54	511.36	De Kol Artia Rooker
38	Highland Fling ..	Warragul High School	Red Poll	12,645	4.04	511.06	Victoria Flight Commander
39	Canary 12th of King's Vale	J. Anderson, jun.	Jersey	9,997	5.07	506.62	Bonny Lad of King's Vale
40	*Dutch Girl 2nd of Berry	Flack and Gamble	Friesian	13,140	3.81	500.51	Sultan La Polka
41	Patricia of Waronda ..	W. H. Axford	Jersey	7,743	6.42	497.09	Jessie's Handsome Boy
42	Lassie Fowler 7th of Melrose	O. G. Handbury	"	8,820	5.63	496.60	Handsome Boy 5th of Melrose
43	Blush of Willow Park ..	W. K. Atkinson	Shorthorn	12,631	3.91	494.12	Havelock of Darbalara
44	Midnight of Clover Flat	E. Day	"	9,715	5.06	491.86	Prince Noreen
45	Tiny of Meadowvale ..	W. H. Atherton	"	7,779	6.25	486.05	Mythic's Choice of Tarnpirr
46	Linda 52nd of King's Vale	J. Anderson and Son	"	9,088	5.31	482.14	Bonny Lad of King's Vale
47	Dominion Hyacinth ..	Department of Agriculture	Friesian	11,082	4.33	479.52	Oak de Kol II., Homestead Fobes (imp.)
48	Adella's Pet of Inverleigh	A. H. Schier	Ayrshire	13,150	3.63	477.08	Major of Gowrie Park
49	Primrose 2nd of Melrose	R. Maher	Jersey	7,521	6.33	476.21	Golden Fern's Viscount
50	Bolobek Janet ..	J. Willis	Friesian	13,945	3.41	474.88	Rhoda Prince of Rubicon

* Milked three times daily.

MATURE COWS. (OVER 5 YEARS AT TIME OF CALVING.) 350 LB. STANDARD—continued.

Order of Merit.	Cow.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
				lb.		lb.	
51	Keepsake of Tarnpirr ..	E. A. Denis ..	Jersey	8,437	5'01	473'37	First Choice of Melrose
52	Bluebell 2nd of Jersey- holm	T. Harvey ..	"	8,752	5'39	471'89	Emperor
53	Lucy Grey of Colac ..	T. R. Findlay ..	"	9,627	4'87	460'16	Lady Grey 4th's Fox
54	May of Melksham Park ..	D. Gazzard ..	"	10,161	4'59	466'65	Duchess 4th's Lord Twyllish
55	Dream Girl of Woodside	C. D. Lloyd ..	"	7,993	5'80	463'95	Goldfinder (imp.)
56	Silvermine 22nd of Ban- yule	C. G. Lyon ..	"	9,156	5'07	463'83	Audrey's Lord Twyllish
57	Romany Girl 4th of Tarn- pirr	E. Hall ..	"	9,085	5'05	458'67	Eminent V.C.
58	Sir Fancy's Larkspur of Staghorn	F. Bidgood ..	"	8,448	5'40	450'44	Sir Fancy's Madeira of Wer- rilee
59	Laura 12th of Melrose	R. H. Maher ..	"	7,183	6'33	454'73	Golden Fern's Viscount (imp.)
60	Melliot of Springhurst ..	J. D. Read ..	"	7,640	5'94	453'66	Petain of Springhurst
61	Werribee Northwood Madeira 6th	P. Chirnside ..	"	7,674	5'91	453'25	Northwood King (imp.)
62	Preston Beauty ..	C. S. Walker ..	"	10,314	4'39	452'61	Acacia King
63	Defender's Favourite of Boorene	A. A. Broad ..	"	8,676	5'19	450'46	Fox's Nonpareil of Boorene
64	Rosie 55th of Lilydale	J. Willis ..	Friesian	12,084	3'73	450'14	Bolobek Major
65	Silver Bell of Kameruka	Simpson and Charlton	Jersey	7,377	6'10	450'11	Silver King
66	Queen of Woolingurry	A. H. Cooper ..	"	9,624	4'98	449'62	Soprano's Mystifier of War- ragaburra
67	Jessie 24th of Melrose ..	W. Woodmason ..	"	8,437	5'33	449'48	Golden Fern's Viscount
68	Chaffinch of Banyule ..	H. A. Cooper ..	"	8,015	5'60	449'11	Lord Silvermine 8th of Ban- yule
69	Maybelle of Eshcol ..	H. N. Littledyke ..	"	8,439	5'30	447'62	Black Baron of Berrington
70	Morocco's Fanny of Stag- horn	F. Bidgood ..	"	7,845	5'70	447'24	Morocco Bound
71	Audrey Lotus of Banyule	C. G. Lyon ..	"	9,936	4'48	445'38	Audrey's Lord Twyllish
72	Cordylie Hazel ..	J. Plattfuss ..	Friesian	10,257	4'33	444'21	Cordylie Hero
73	Iris 2nd of Carracorte	W. Henderson ..	Ayrshire	10,929	4'06	444'21	Victorious of Warrook
74	Flower 15th of Melrose	W. Woodmason ..	Jersey	7,128	6'24	441'81	Golden Fern's Viscount
75	Blanchette 5th of St. Albans	A. W. Jones and Son	"	8,040	5'48	440'89	Brighton King 8th
76	Tulip 2nd of Meridale ..	Finn Bros. ..	"	9,087	4'85	440'54	Dinah's Model of King's Vale
77	Ettie 5th of Banyule ..	C. G. Lyon ..	"	8,728	5'05	440'38	Mabel's Chief (imp.)
78	Silvermine 21st of Ban- yule	H. Luxton ..	"	8,032	5'45	437'48	Audrey's Lord Twyllish
79	Daisy 6th of Jerseyholm	T. Harvey ..	"	8,398	5'20	436'47	Emperor
80	Machree of Banyule ..	C. G. Lyon ..	"	6,912	6'31	436'18	Audrey's Lord Twyllish
81	Rose of Clarendon Eyre	Simpson and Charlton	"	7,783	5'60	435'83	Lotina's Larkspur's Twyllish
82	Buttermaid 2nd ..	A. W. Jones and Son	Friesian	10,965	3'96	434'24	King Mercena
83	Wattle of Springhurst ..	P. J. Maloney ..	Jersey	10,031	4'32	433'05	Brighton Cub
84	Pleasure of Ben Kell ..	R. Ralston ..	Ayrshire	9,516	4'54	432'16	Alert of Ben Kell
85	Cordylie Inka De Kol	A. W. Jones and Son	Friesian	11,460	3'77	431'86	Cordylie Colantha Hero
86	Canary 2nd of Lesterfield	Mrs. I. Beard ..	Jersey	7,093	6'08	431'45	Quality 6th's Son of Melrose
87	Dunalister Perree's Prin- rose	J. Hutchinson and Son	"	7,890	5'46	430'67	Perree's Duke (imp.)
88	Pearl of Willow Park ..	W. K. Atkinson ..	Shorthorn	11,680	3'68	430'15	Havelock of Darbalara
89	Daffodil Mercena ..	A. W. Jones and Son	Friesian	12,325	3'49	429'67	King Mercena
90	Lady of Greenwood ..	K. McGarvie ..	Jersey	7,353	5'70	429'31	Foxy Duke of Greenwood
91	Preston Princess ..	C. S. Walker ..	"	9,039	4'73	427'94	Bostock of Tarnpirr
92	Buttercup of Bonshaw ..	P. J. Maloney ..	"	7,513	5'64	427'76	The Pilot of Tarnpirr
93	Myrtle of Springhurst ..	R. J. Henry ..	"	7,579	5'62	426'13	Investigator of Melrose
94	Lily 6th of Melrose ..	E. A. Dennis ..	"	7,396	5'73	423'48	Handsome Boy 3rd of Mel- rose
95	Verbena 4th of Brookfield	J. A. Huffer ..	"	7,110	5'94	422'25	Rarity's Fawn Duke of Mel- rose
96	Coleus of Springhurst ..	R. J. Henry ..	"	6,917	6'10	421'94	Brighton Cub
97	Pride of Wattle Vale ..	D. E. Cook ..	"	8,736	4'80	419'19	Skim of Dunalister
98	Easter Daisy of Austral Park	Gibson Bros. ..	"	7,033	5'95	418'68	Soprano's Mystifier of War- ragaburra
99	Lucerne of Springhurst	J. D. Read ..	"	7,698	5'43	418'34	Young Deliance
100	Leonie of Clarendon Eyre	Simpson and Charlton	"	8,296	5'04	417'71	Lotina's Larkspur's Twyllish
101	Peerless 20th of Melrose	R. H. Maher ..	"	7,189	5'80	416'69	Golden Fern's Viscount (imp.)
102	Lassie Fowler 8th of Mel- rose	R. H. Maher ..	"	7,030	5'92	416'15	Golden Fern's Viscount (imp.)
103	Graceful Countess 2nd of Lesterfield	F. Austin ..	"	6,778	6'13	415'64	Quality 6th's Son of Melrose

MATURE COWS. (OVER 5 YEARS AT TIME OF CALVING.) 350 LB. STANDARD—continued.

Order of Merit.	Cow.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
				lb.		lb.	
104	Peerless of Ferntree Vale	Gibson Bros. ..	Jersey	7,713	5'39	415'39	Linda 11th's Lad of King's Vale
105	Lily 4th of Ferntree Vale	E. H. Howlett ..	"	7,588	5'48	415'31	Linda 15th's Twylsh of King's Vale
106	Banksia of Springhurst	Mrs. J. Beard ..	"	7,776	5'34	415'07	Bulwark of Springhurst
107	Phillis 2nd of Warend	P. Chirnside ..	"	7,711	5'38	414'64	Jessie's Handsome Boy
108	Bluebell 3rd of Jerseyholm	T. Harvey ..	"	7,006	5'92	414'60	Emperor
109	Princess Royal of Springhurst	Finn Bros. ..	"	7,951	5'21	414'27	Young Defiance
110	Gipp's Wendy ..	Warragul School	High Red Poll	11,338	3'65	413'63	Warragul
111	St. Alban's May Queen	A. W. Jones and Son	Friesian	11,115	3'71	412'70	Burdett's Prince
112	Nimitabel of Kameruka	F. Trevasks ..	Jersey	8,830	4'07	412'68	Silver King
113	Bluebell of Jerseyholm	T. Harvey ..	"	7,132	5'78	412'28	Venture's Hero
114	Betty of Lone Gum ..	E. Day ..	"	7,594	5'38	408'50	Nobility 3rd
115	Preston Polly ..	C. S. Walker ..	"	9,024	4'48	404'50	Acacia King
116	Fairy Queen 4th of Linden	J. J. Baker ..	"	8,152	4'96	404'32	The Chief of Linden
117	Daisy 5th ..	S. T. Algie ..	Shorthorn	10,971	3'68	403'59	Duke of Wallace
118	Starbright of Lynroy ..	Mrs. E. M. Lennie	Jersey	8,255	4'88	403'29	Island Butter King
119	Balm of Carracorte ..	G. Gange ..	Ayrshire	10,077	4'00	402'68	Victorious of Warrook
120	Handsome Girl 10th of Melrose	W. Woodmason ..	Jersey	6,652	6'02	400'75	Golden Fern's Viscount
121	Grevillea of Springhurst	H. Luxton ..	"	7,263	5'51	400'54	Attraction of Springhurst
122	Garenne 4th of Warend	L. W. Thompson ..	"	6,759	5'92	399'93	Jessie's Handsome Boy
123	Lottie of Golden Vein ..	A. Wallace ..	Ayrshire	8,752	4'56	399'06	Amther of Oakbank
124	Tea Rose of Tarnpirr ..	Mrs. E. M. Lennie	Jersey	6,344	6'29	398'97	Treasure of Tarnpirr
125	My Luck of Ilford ..	R. J. Henry ..	"	8,164	4'87	397'36	Vanilla Chief of Banyule
126	Madge of Greenwood ..	K. McGarvie ..	"	8,673	4'58	397'31	Golden Hero of Greenwood
127	Buttercup 15th of Fern-tree Vale	Gibson Bros. ..	"	7,114	5'57	396'52	Starbright Renard
128	Tongala Queenie ..	L. L. Russell ..	Friesian	7,384	5'36	395'57	
129	Trethella's Jean ..	W. P. Rozen ..	Jersey	7,800	5'04	393'39	Centurius
130	Dominion Violet Fobes	J. T. Tweddle ..	Friesian	13,014	3'01	391'77	Woodcrest Jo (imp.)
131	Sunset Star of Dunalister	Leongatha School	Jersey	7,620	5'11	389'71	Lord Brighton of Dunalister
132	Dauphine of Springhurst	E. A. Dennis ..	"	7,107	5'48	389'37	Investigator of Melrose
133	Modest of Greenwood ..	K. McGarvie ..	"	7,777	4'98	388'92	Golden Hero of Greenwood
134	Gold Point 2nd of Banyule	A. H. Schler ..	Ayrshire	8,206	4'71	386'67	Rational of Oakbank
135	Trixie 2nd of Linden ..	J. J. Baker ..	Jersey	8,118	4'75	385'82	Defence of Linden
136	Isla of Ben Kell ..	H. V. McKay Estate	Ayrshire	8,779	4'38	384'25	Marvel of Willowvale
137	Romany Girl 3rd of Tarnpirr	Alston Estate ..	Jersey	5,862	6'61	383'47	Prince of Tarnpirr
138	Madge of Hillcrest ..	Simpson and Charlton	Jersey	6,775	5'66	383'34	Ironmonger of Kameruka
139	Beryl of Craignell ..	A. W. Jones and Son	Friesian	11,121	3'44	382'83	Canterbury Statesman
140	Nellie of Craignell ..	A. W. Jones and Son	"	11,296	3'39	382'76	King Mercena
141	Gold Bell of Methven ..	C. Deverall ..	Jersey	7,620	5'02	382'52	Bloodshot of Tarnpirr
142	Maid's Princess 2nd of Clover Flat	F. Raggatt ..	"	7,377	5'19	382'51	Prince Noreen
143	Bloom of Banyule ..	W. C. Cayley ..	Ayrshire	9,379	4'08	382'34	Duke of Chatsworth
144	Canary of Tuerong ..	G. Esler ..	Jersey	7,341	5'21	382'30	Quality's 6th Son of Melrose
145	Jane 2nd of Greenwood	K. McGarvie ..	"	7,533	5'07	382'08	Grey Fox of St. Albans
146	Lady May of Ferndale ..	W. A. Sandles ..	"	7,168	5'33	381'91	Lord Grey of St. Albans
147	Woorndoo ..	Warragul School	High Red Poll	8,422	4'53	381'38	Belligerent
148	Beeswing of Medburn Grove	Dookie Agricultural College	Ayrshire	8,751	4'36	381'33	Lord Harry of Medburn Grove
149	Mistletoe 2nd of Tarnpirr	E. A. Dennis ..	Jersey	7,120	5'35	381'17	First Choice of Melrose
150	Jenny Lind 15th of Melrose	A. W. Jones and Son	"	6,456	5'89	380'04	Golden Fern's Viscount
151	Springfield No. 7 ..	H. Alley ..	Friesian	9,594	3'96	380'00	Rosevale Inka Sylvia Posch
152	Dominion Kathleen ..	Department of Agriculture	"	10,572	3'59	379'64	Woodcrest Jo (imp.)
153	*Burnbank Mercedes Maggie	Flack and Gamble	"	11,311	3'35	378'78	Dominion Gay Mercedes
154	Dainty Maid of Ben Kell	R. Ralston ..	Ayrshire	7,932	4'77	378'27	Marvel of Willowvale
155	Vanilla 11th of Melrose	W. Woodmason ..	Jersey	6,957	5'40	375'59	Handsome Boy 5th of Melrose
156	Countess Matilda 4th (imp.)	C. D. Lloyd ..	"	6,867	5'47	375'55	Bermunda's You'll Do Lad
157	Quality of Meadowvale	W. H. Atherton ..	"	6,130	6'11	374'77	Handsome Lad of Woodville
158	Rose Petal of Tarnpirr ..	Simpson and Charlton	"	6,015	5'23	374'62	Treasure of Tarnpirr
159	Gertie of Greenwood ..	K. McGarvie ..	"	7,228	5'18	374'31	Young Foxy Boy
160	Cora of Burnside ..	Cockbill Bros. ..	Ayrshire	8,550	4'31	372'90	Gregor of Oakbank
161	Kirsty 8th of Jerseyholm	T. Harvey ..	Jersey	7,129	5'23	372'76	Emperor

MATURE COWS. (OVER 5 YEARS AT TIME OF CALVING.) 350 LB. STANDARD—continued.

Order of Merit.	Cow.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
162	Dina	L. L. Russe'l ..	Friesian	lb.		lb.	
163	Waverley Lass 3rd of Melrose ..	J. A. Huffer ..	Jersey	10,651	3.50	372.73	Tom
164	Marise of Tarnplir ..	E. A. Dennis ..	"	6,108	6.08	371.07	Handsome Boy 5th of Melrose
165	Sweet Pansy 5th of Melrose ..	G. Rowe ..	"	7,843	4.73	371.04	Eminent V.C.
166	Minuet of Banyule ..	C. Deverell ..	"	5,779	6.41	370.58	Handsome Boy 5th of Melrose
167	Ornoco	Warragul High School	Red Poll	7,117	5.17	366.88	Mabel's Chief
168	Lady Betsy of Ferndale ..	W. A. Sandles ..	Jersey	9,420	3.89	366.84	Honingham Alake
169	Melba of Hillcrest ..	A. Joshua ..	"	7,066	5.19	366.36	Lord Grey of St. Albans
170	Fuchsia of Springhurst ..	E. A. Dennis ..	"	7,398	4.95	366.09	Bell Boy of Hillcrest
171	Kyora Pansy 7th ..	F. Bidgood ..	"	7,003	5.23	366.06	Attraction of Springhurst
172	Golden Fern of Glen Iris ..	C. D. Lloyd ..	"	8,010	4.57	365.90	Young Defiance 2nd
173	Fairy Queen of Colac ..	N. C. De La Rue ..	"	6,613	5.52	364.80	Mabel's Chief (imp.)
174	Myrtle 2nd of Pine Grove ..	A. H. Schier ..	Ayrshire	7,216	5.05	364.72	Twylsh's Queen's Fox
175	Bunt 2nd of Carracoorte ..	W. Henderson ..	"	9,079	4.01	364.13	Glen Keith of Pine Grove
176	Ventne	W. P. Rogen ..	Jersey	8,595	4.24	363.90	Lord Dudley of Gowrie Park
177	Belle of Colac ..	F. Austin ..	"	5,931	6.13	363.60	Dewdrop's Monarch
178	Ina of Craignell ..	A. W. Jones and Son	Friesian	9,186	3.95	363.21	Handsome Progress
179	Princess of Woolamai Park ..	G. Kent ..	Ayrshire	9,751	3.71	361.97	King Mercena
180	Model of Holly Green ..	H. L. Webb ..	"	8,335	4.34	361.81	Beauty's Majestic of Glenelra
181	Graceful Duchess 19th of Melrose ..	W. Woodmason ..	Jersey	8,983	4.61	359.84	Maxwell of Glenelra
182	Annette of Colac ..	W. H. Axford ..	"	5,736	6.27	359.67	Handsome Boy 5th of Melrose
183	Ornitha	Department of Agriculture	Red Poll	6,555	5.48	359.54	Twylsh's Queen's Fox
184	Nightingale 2nd of Raith ..	R. Goodman ..	Ayrshire	7,360	4.87	358.63	Nicotine
185	Floss of Tuerong ..	G. Esler ..	Jersey	8,245	4.35	358.31	Duke of Melton Park
186	Nyanza	Warragul High School	Red Poll	6,712	5.34	358.17	Quality's 6th Son of Melrose
187	Viola of Sparrovale ..	Geelong Harbour Trust	Ayrshire	8,710	4.11	358.06	Honingham Alake (imp.)
188	Dulcie Grey of Colac ..	T. R. Findlay ..	Jersey	8,301	4.31	357.47	Scottish King of Gowrie Park
189	Briar Rose of Clarendon Eyre ..	Simpson and Charlton	"	7,134	5.01	357.35	Buttercup's Duke
190	Daisy 8th of Melrose ..	"	"	7,837	4.55	356.36	Lotina's Larkspur's Twylsh
191	Tottie of Warrook ..	Simpson and Charlton	"	6,163	5.77	355.62	Handsome Boy 5th of Melrose
192	Countess Togo ..	Cockbill Bros. ..	Ayrshire	8,224	4.32	355.48	Triumph of Warrook
193	Trissie of Wethersdane ..	J. Plattfuss ..	Friesian	10,555	3.37	355.47	Count Togo
194	Daisy 14th of Melrose ..	J. R. Telford ..	Ayrshire	7,972	4.45	354.66	His Majesty of Wethersdane
195	May of Clover Flat ..	T. Mesley ..	Jersey	6,105	5.80	353.97	Golden Fern's Viscount
196	Starleigh of Strathbow ..	O. G. Handbury ..	"	7,503	4.72	353.94	Mace Noreen
197	Stella of Latrobe ..	O. G. Handbury ..	"	6,306	5.61	353.62	Mace of Tarnplir
198	Coral of Dookie ..	E. H. Howlett ..	"	6,252	5.65	352.98	Noble's Pride of Morwell Park
199	Antonette of Hillcrest ..	Dookie Agricultural College	Ayrshire	8,823	4.00	352.05	Ma-mus of Fernhill
200	St. Alban's Lady ..	R. J. Henry ..	Jersey	6,399	5.49	351.62	Sir Antonio
201	Kirsty 7th of Jerseyholm ..	A. W. Jones and Son	Friesian	9,610	3.65	351.20	Pearl's Prince of Brundee
202	Bingle of Ilford ..	T. Harvey ..	Jersey	6,312	5.56	350.78	Venture's Hero
203	Mabel's Petal of Banyule ..	R. J. Henry ..	"	5,595	6.26	350.51	Jack Horner
204	Fuchsia of Clematis ..	C. G. Lyon ..	"	6,894	5.08	350.24	Mabel's Chief (imp.)
205	Rye Bread of Glen Iris ..	H. Cowling ..	"	6,765	5.17	350.04	Nightshade of Melrose
206	Lady Monica 12th of King's Vale ..	C. D. Lloyd ..	"	7,302	4.77	348.41	Mabel's Chief
207	Kyora's Merry Mike's Mayflower ..	Mrs. Archibald and Sons	"	5,940	5.86	348.33	Jessema's Imperial 5th of King's Vale
208	Science of Springhurst ..	Miss S. L. Robinson	"	7,057	4.93	348.04	Merry Mike (imp.)
209	Merry Lady of Hillcrest ..	Finn Bros. ..	"	6,072	5.21	347.72	Brighton Cub
210	Dahlia of Retreat ..	Simpson and Charlton	"	8,403	4.13	347.20	Merry Mike (imp.)
211	Princess of Willow Park ..	W. K. Galbraith ..	Ayrshire	8,196	4.23	346.62	Anthony of Glenelra
212	Viola 2nd of Carracoorte ..	W. K. Atkinson ..	Shorthorn	9,675	3.58	346.45	Havelock of Darbalara
213	Rose 2nd of Taringa ..	W. Henderson ..	Ayrshire	7,515	4.59	344.60	Lord Dudley of Gowrie Park
214	Sweet Nell of Hillcrest ..	K. McGarvie ..	Jersey	7,542	4.57	344.45	Golden Spark (imp.)
215	Domino Fobes of Yarra Brae ..	Mrs. E. M. Lennie	"	7,015	4.90	343.81	Black Prince of Mount Crawford
216	Gaybelle of Wethersdane ..	J. T. Tweddle ..	Friesian	10,156	3.38	343.76	Dominion Domino Dutch Boy
217	Sarah of Glen Alvie ..	Cockbill Bros. ..	Ayrshire	8,044	4.27	343.11	His Majesty of Wethersdane
218	Fair Nell of Greenwood ..	G. Gange ..	"	7,807	4.39	342.94	Triumph of Glenelra
219	Handsome Girl 9th of Melrose ..	K. McGarvie ..	Jersey	7,089	4.84	342.77	Young Foxy Boy
		Finn Bros. ..	"	6,199	5.53	342.73	Golden Fern's Viscount

MATURE COWS. (OVER 5 YEARS AT TIME OF CALVING.) 350 LB. STANDARD—continued.

Order of Merit.	Cow.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
				lb.		lb.	
220	Countess of Willow Park	W. K. Atkinson ..	Shorthorn	8,443	4.05	342.32	Havelock of Darbalara
221	Laurie 2nd of Ferntree Vale	R. Purnell ..	Jersey	6,520	5.24	341.41	Starbright's Renard
222	Jenny Lind 13th of Melrose	R. H. Maher ..	"	6,018	5.66	340.83	Golden Fern's Viscount (imp.)
223	Jubilee Red Rose ..	Miss B. B. Reid ..	"	7,051	4.83	340.40	Carnation's Madeira's Fox 2nd of Werribee
224	Violet of Rock Lee ..	J. V. M. Wood ..	"	6,021	5.64	339.50	Carnation's Fancy Northwood King
225	Fashion of Warrook ..	Cockbill Bros. ..	Ayrshire	7,332	4.63	339.50	Minerva's Jamie of Warrook
226	Seaweed of Springhurst	Finn Bros. ..	Jersey	7,023	4.83	339.16	Investigator of Melrose
227	Virginia of Longerenong	Longerenong Agricultural College	Ayrshire	7,929	4.28	339.09	Gay Lad of Sparrovale
228	Kirsty 6th of Jerseyholm	T. Harvey ..	Jersey	5,617	6.03	338.86	Venture's Hero
229	Nora of Sparrovale ..	Geelong Harbour Trust	Ayrshire	6,916	4.00	338.60	Jamie of Sparrovale
230	Queenie of Willow Park	W. K. Atkinson ..	Shorthorn	8,473	3.99	338.39	Havelock of Darbalara
231	Good Luck of Glenora	Cockbill Bros. ..	Ayrshire	8,154	4.15	338.00	Good Lad of Roxburgh
232	Burnbank Woodcrest Fayne	J. T. Tweddle ..	Friesian	10,707	3.14	336.58	Dominion Woodcrest Miele Mercedes
233	Modest of Cathcart ..	A. W. Gorman ..	Ayrshire	7,123	4.72	336.45	Lavendo of Glencairn
234	Lady Grey 16th of St. Albans	H. Luxton ..	Jersey	6,213	5.41	336.15	Brighton King 8th
235	Mistletoe 3rd of Tarnpirr	A. Joshua ..	"	5,706	5.88	335.67	Christmas Choice
236	Show Girl of Tarnpirr ..	Mrs. E. M. Lennie ..	"	6,241	5.38	335.66	Linda's Record 4th of King's Vale
237	Briar	Department of Agriculture	Red Poll	7,565	4.42	334.40	Nicotine
238	Gertie 3rd of Carracorte	W. Henderson ..	Ayrshire	7,110	4.70	333.76	Victorious of Warrook
239	Daphne of Mount Hope	M. Galbraith ..	"	8,343	3.98	332.33	Stella's Prince of Gowrie Park
240	Jessie 16th of Melrose ..	Miss S. L. Robinson	Jersey	6,084	5.46	332.30	Handsome Boy 3rd of Melrose
241	Lily of Colac	N. C. De La Rue ..	"	7,138	4.65	331.91	Twylish's Queen's Fox
242	Pico	Department of Agriculture	Red Poll	7,932	4.18	331.27	Beiligerent (imp.)
243	Beauty 5th of Somerville	S. Earle ..	Jersey	7,908	4.19	331.03	Daphne's Prince of St. John
244	Blossom of Wethersdane	Cockbill Bros. ..	Ayrshire	8,221	3.99	328.21	His Majesty of Wethersdane
245	Vida of Burnside ..	J. G. Lobb ..	"	8,338	3.93	328.04	Ventry of Seafeld
246	Queenie 2nd of Willow Park	W. K. Atkinson ..	Shorthorn	8,745	3.75	328.00	Havelock of Darbalara
247	Domnion Grace De Kol	T. J. McGalliard ..	Friesian	10,899	2.91	327.41	Longbeach Primrose League
248	Mercy of Oakbank ..	Longerenong Agricultural College	Ayrshire	7,926	4.12	327.00	Lodestar of Oakbank
249	Syringa of Springhurst	H. Luxton ..	Jersey	5,673	5.76	326.53	Brighton Cub
250	Carmen of Hillcrest ..	W. A. Axford ..	"	5,761	5.67	326.51	Bell Boy of Hillcrest
251	Jubilee Lily	G. Esler ..	"	5,892	5.54	326.42	Twylish Madeira Fox 2nd of Werribee
252	Dunalister Mannikin's Sand Dalsey	J. A. Huffer ..	"	5,880	5.54	325.89	Mannikin of Glen Iris
253	Meadow Sweet of Warendale	L. W. Thompson ..	"	5,351	6.07	325.07	Jessie's Handsome Boy
254	Jubilee Wattle	Miss B. B. Reid ..	"	6,871	4.72	324.47	Bundoora Jubilee Fox
255	La Reine of Tarnpirr ..	F. Austin ..	"	5,904	5.49	324.24	Christina's Choice of Tarnpirr
256	Lady Mac of Medburn Grove	H. V. McKay Estate	Ayrshire	7,707	4.18	322.27	McAllister of Gowrie Park
257	Noble's Morocco of Rainga	P. H. Lawrence ..	Jersey	6,946	4.64	322.12	Claribell's Noble 2nd
258	Rockbank Pet	H. Allez ..	Friesian	8,421	3.82	321.47	Johanna Tearoha
259	Mona of Wethersdane ..	W. H. Adams ..	Ayrshire	7,980	4.03	321.32	His Majesty of Wethersdane
260	Holland Lass 4th of Berry	T. J. McGalliard ..	Friesian	9,181	3.49	320.61	Sultan La Polka
261	Princess of Grangelea ..	A. A. Broad ..	Jersey	6,588	4.86	319.97	Kalima's Fox
262	Jubilee Wattle	Miss B. B. Reid ..	"	6,270	5.09	319.66	Bundoora Jubilee Fox
263	Beautiful of Retreat ..	J. Pettit ..	Ayrshire	7,695	4.15	318.93	Musician of Willow Vale
264	Zoe 6th of Melrose ..	W. Woodmason ..	Jersey	5,373	5.89	316.50	Golden Fern's Viscount
265	Rosebloom 2nd of Carracorte	W. Henderson ..	Ayrshire	8,295	3.81	316.13	Victor 2nd of Carracorte
266	Clover of Saranac ..	R. Faragher ..	Jersey	5,398	5.85	315.99	Lord Richmond
267	Lantana 2nd of Springhurst	F. Raggatt ..	"	5,319	5.94	315.74	Kerensky of Springhurst
268	Lady Olga of Ben Kell ..	A. Wallace ..	Ayrshire	7,504	4.20	315.29	Girvan of Oakbank
269	Joy of Tarnpirr	F. Trevasakis ..	Jersey	5,892	5.35	314.04	My Queen's Choice
270	Rosey 32nd	J. T. Tweddle ..	Friesian	8,868	3.55	314.83	Bolobek De Kol
271	Minerva's Balm 2nd of Carracorte	W. Henderson ..	Ayrshire	7,740	4.06	314.49	Minerva's Jamie of Warrook

MATURE COWS. (OVER 5 YEARS AT TIME OF CALVING.) 350 LB. STANDARD—continued.

Order of Merit.	Cow.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
				lb.		lb.	
272	Pattie of Hillcrest ..	G. Rowe ..	Jersey	6,664	4.71	313.84	Bell Boy of Hillcrest
273	Pardon of Ben Kell ..	R. Ralston ..	Ayrshire	7,862	3.99	313.82	Girvan of Oakbank
274	Mary Birt of Kelburn ..	D. E. Cook ..	Jersey	5,953	5.26	313.53	Southern King 2nd
275	Maggie of Longerenong ..	Longerenong Agri- cultural College	Ayrshire	7,113	4.40	313.20	Gay Lad of Sparrovale
276	Winnie of Ben Kell ..	R. Ralston ..	"	7,360	4.25	312.97	Marvel of Willowvale
277	Phyllis 2nd of Melksham Park	D. Gazzard ..	Jersey	7,058	4.42	312.28	Bosun
278	Bloom of Willow Park ..	W. K. Atkinson ..	Shorthorn	8,007	3.90	312.18	Havelock of Darbala
279	Venie of Greenwood ..	K. McGarvie ..	Jersey	7,671	4.06	311.11	Young Foxy Boy
280	Heatherbell of Sparrovale	Geelong Harbour Trust	Ayrshire	6,903	4.50	310.65	Scottish King of Gowrie Park
281	Modesty of Inverleigh ..	A. H. Schler ..	"	7,246	4.29	310.51	Major of Gowrie Park
282	Pansy of Colac ..	R. O. Hogg ..	Jersey	6,333	4.90	310.28	Handsome Progress
283	Jewell of Sparrovale ..	Geelong Harbour Trust	Ayrshire	6,840	4.53	309.79	Jamie of Sparrovale
284	Myrtle of Sparrovale ..	Geelong Harbour Trust	"	7,454	4.14	308.85	Scottish Chief of Sparrovale
285	Belladonna of Springhurst	J. D. Read ..	Jersey	6,469	4.77	308.74	Attraction of Springhurst
286	Melba of Greenwood ..	K. McGarvie ..	"	6,847	4.51	308.59	Young Foxy Boy
287	Vic Corunna ..	Department of Agri- culture	Friesian	9,494	3.25	308.18	Dominion Domino's Dutch Boy
288	Charity of Rosehill ..	R. O. Hogg ..	Jersey	6,047	5.10	308.12	Noble Boy 2nd of Rocklands
289	Jessie 15th of Melrose ..	R. H. Maher ..	"	5,373	5.73	308.04	Pretty Noble
290	Peggy of Woolamal Park	G. Kent ..	Ayrshire	7,066	4.34	306.70	Prince of Mapleton
291	Maitland's Canary of Les- terfield	Baillieu Bros. ..	Jersey	5,299	5.79	306.04	Magnet's Maitland
292	Bunty 2nd of Carracoorie	W. Henderson ..	Ayrshire	7,110	4.30	305.85	Lord Dudley of Gowrie Park
293	Trissie of Wethersdane	Telford Estate ..	"	7,539	4.03	303.70	His Majesty of Wethersdane
294	Dunalister Peereess Quick Sand	D. Peter ..	Jersey	5,757	5.27	303.66	Peerees's Duke
295	Mercy of Oakbank ..	Longerenong Agri- cultural College	Ayrshire	7,725	3.93	303.40	Lodestar of Oakbank
296	Jean of Glengowrie ..	A. H. Schler ..	"	8,175	3.70	302.73	Ada's Jamie of Glengowrie
297	Rosette of Hillcrest ..	G. Rowe ..	Jersey	6,480	4.64	300.81	Bell Boy of Hillcrest
298	Sparkle 2nd of Jersey- holm	T. Harvey ..	"	5,328	5.63	300.24	Venture's Hero
299	Mayflower of Sparrovale	Geelong Harbour Trust	Ayrshire	7,301	4.09	298.45	Jamie of Sparrovale
300	Tongala Queenie ..	L. L. Russell ..	Friesian	5,367	5.56	298.30	
301	Flower 13th of Melrose	E. A. Dennis ..	Jersey	4,588	6.49	297.94	Handsome Boy 5th of Mel- rose
302	Royal Sun Ray ..	E. A. Dennis ..	"	6,726	4.44	297.92	Peerless Lord Twylish
303	Minnie 2nd of Greenwood	K. McGarvie ..	"	6,289	4.73	297.33	Marquis of Greenwood
304	Guitana of Kilmarnock	G. Gange ..	Ayrshire	8,319	3.56	296.37	Laura's Laird of Gowrie Park
305	Jubilee Daffodil ..	Miss B. B. Reid ..	Jersey	6,040	4.90	295.99	Jubilee May 2nd's Prince
306	Tulip of Jersey Vale ..	Mrs. L. Orchard ..	"	6,081	4.86	295.24	Golden Twylish
307	Golden Pariel 2nd of Boorene	W. S. Richardson ..	"	4,655	6.33	294.69	Noble Direct of Boorene
308	Dunalister Mannikin's Czarina	J. A. Huffer ..	"	5,183	5.88	294.49	Mannikin of Glen Iris
309	Adara of Ben Kell ..	A. Wallace ..	Ayrshire	7,153	4.12	294.40	Marvel of Willow Vale
310	Fine Quality of Gleneira	A. H. Schler ..	"	6,388	4.60	294.00	Kia Ora of Haydowns
311	Ivy of Springhurst ..	R. J. Henry ..	Jersey	5,436	5.40	293.52	Arcadia's Choice of Tarnparr
312	Patricia of Hillcrest ..	W. S. Richardson ..	"	5,484	5.35	293.44	Foxglove of Hillcrest
313	Jessie 3rd of Rythdale Park	J. G. Lobb ..	Ayrshire	7,398	3.96	293.06	Premier of Gleneira
314	Lady Jacqueline ..	W. S. Richardson ..	Jersey	5,798	5.05	292.85	Winnie 4th's Son of Melrose
315	Lassie 5th of Clover Flat	O. G. Handbury ..	"	6,295	4.65	292.74	Curious King
316	Coro of Hyde Park ..	J. R. Telford ..	Ayrshire	6,755	4.32	291.66	Modesty's Implex of Glen- cairn
317	Gingerbread of Glen Iris	C. D. Lloyd ..	Jersey	5,274	5.42	291.26	Mabel's Chief
318	Canary 11th of King's Vale	Mrs. F. M. Akehurst	"	5,708	5.10	291.04	Carnation's Fancy North- wood King
319	Noorat Beauty ..	Mrs. A. Black ..	"	6,324	4.60	290.96	Obelisk
320	Rye Cake of Glen Iris ..	C. D. Lloyd ..	"	5,347	5.42	290.01	Cream Chief of Glen Iris
321	Bettie of Inverleigh ..	A. H. Schler ..	Ayrshire	6,640	4.37	289.97	Warwick of Sparrovale
322	Sylvia of Burnside ..	Cockbill Bros. ..	"	8,160	3.55	289.77	Ventry of Seafeld
323	Hazel of Cathcart ..	A. Gorman ..	"	7,815	3.71	289.60	Scottie of Cathcart
324	Countess 3rd of Ashby	T. J. McGalliard ..	Friesian	8,950	3.23	289.47	Bolobek General
325	Elena of Springfield ..	Mrs. M. and W. A. Francis	Ayrshire	6,390	4.53	289.42	Donald of Wethersdane
326	Tulip 5th of Bonshaw ..	Mrs. E. M. Lennie	Jersey	6,666	4.33	288.61	Laddie 2nd of Banyule

MATURE COWS. (OVER 5 YEARS AT TIME OF CALVING.) 350 LB. STANDARD—continued.

Order of Merit.	Cow.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
				lb.		lb.	
327	Pendant	Warragul School	High Red Poll	8,034	3.58	287.32	Longford Major
328	Laura 10th of Melrose ..	J. V. M. Wood ..	Jersey	4,668	6.15	287.28	Handsome Boy 5th of Melrose
329	Dalrymald of Willow Park	W. K. Atkinson ..	Shorthorn	6,066	4.71	285.63	Havlock of Darbala
330	Dimple of Craignell ..	L. L. Russell ..	Friesian	8,961	3.18	285.40	King Mercena
331	Dauphine of Springhurst	E. A. Dennis ..	Jersey	5,122	5.53	283.50	Investigator of Melrose
332	Noorat Cherry ..	Mrs. A. Black ..	"	5,731	4.94	283.35	Milkad of Banyule
333	Brunette of Willow Vale	R. Ralston ..	Ayrshire	6,975	4.06	283.08	Gain of Oakbank
334	Starette of Fern Hill ..	Longerenong Agricultural College	"	7,014	4.01	281.02	Glen Elgin's Ian
335	Merline of Inverleigh ..	A. H. Schler ..	"	5,874	4.77	280.44	Major of Gowrie Park
336	Sparkle 3rd of Carracoorte	W. Henderson ..	"	6,855	4.09	280.39	Lord Dudley
337	Springfield No. 8 ..	J. Wills ..	Friesian	9,637	2.91	280.12	Rosevale Inka Sylvia Posch
338	Ontario	Department of Agriculture	Red Poll	7,416	3.76	278.63	Acton Dewstone (imp.)
339	Marcia of Woolamal Park	G. A. Kent ..	Ayrshire	7,758	3.59	278.21	Marcus of Holly Green
340	Ipomea of Springhurst ..	E. A. Dennis ..	Jersey	4,912	5.63	276.68	Arcadia's Choice
341	Purity 5th of Melrose ..	R. Purnell ..	"	4,882	5.66	276.24	Golden Fern's Viscount
342	Maisie of Sparrovale ..	Geelong Harbour Trust	Ayrshire	6,891	4.00	275.03	Stuart of Gowrie Park
343	Dolly Brown of Inverleigh	A. H. Schler ..	"	7,149	3.83	273.81	Index of Balvornie
344	Moss Vale Jean ..	L. L. Russell ..	Friesian	7,638	3.58	273.32	Trustee of Oakbank
345	Glossy of Dookie ..	Dookie Agricultural College	Ayrshire	5,836	4.67	272.04	
346	Tarrawarra 57 ..	T. J. McGalliard ..	Friesian	7,721	3.49	269.19	Count Togo
347	Amelia's Lady of Waterloo Farm	K. McGarvie ..	Jersey	4,933	5.44	268.23	Admiral
348	Gipsy of Sparrovale ..	Geelong Harbour Trust	Ayrshire	6,180	4.28	264.58	Star of Sparrovale
349	Joy of Hill Crest ..	G. Rowe ..	Jersey	5,137	5.14	263.81	Bell Boy of Hill Crest
350	Mona of Wethersdane ..	Cockbill Bros. ..	Ayrshire	6,480	4.07	263.74	His Majesty of Wethersdane
351	Karong Belle 2nd ..	J. Baker ..	Red Poll	5,889	4.48	263.61	Uncle Sam
352	Gipsy Girl of Sparrovale	Geelong Harbour Trust	Ayrshire	6,165	4.26	262.80	Scottish King of Gowrie Park
353	Canary of Rock Lee ..	Mrs. F. M. Akehurst	Jersey	4,962	5.27	261.42	Bonnie Lad of King's Vale
354	Pattie of Dookie ..	Dookie Agricultural College	Ayrshire	5,820	4.48	260.45	Maemus of Fernhill
355	Kyora's Noble Charm 3rd	J. H. Cathro ..	Jersey	5,490	4.74	260.41	Financial King of Kyora
356	Elena of Springfield ..	Mrs. M. and W. A. Francis	Ayrshire	6,113	4.26	260.14	Donald of Wethersdane
357	Virtue of Ayr Brae ..	H. V. McKay Estate	"	5,625	4.62	259.89	Kiltie of Oakbank
358	Pearl of Carracoorte ..	W. Henderson ..	"	6,225	4.17	259.37	Fritz of Rythdale
359	Springfield No. 5 ..	T. J. McGalliard ..	Friesian	7,225	3.58	259.00	Rosevale Inka Sylvia Posch
360	Primrose 2nd of Pine Grove	A. H. Schler ..	Ayrshire	6,661	3.86	256.25	Glen Keith of Pine Grove
361	Dominion Woodnymph	Colac High School	Friesian	8,233	3.08	253.81	Woodcrest Jo (imp.)
362	Jubilee Cherry's Fawn	Finn Bros. ..	Jersey	4,605	5.41	249.12	Castor's Premier (imp.)
363	Mayflower 2nd of Carracoorte	W. Henderson ..	Ayrshire	6,075	4.10	248.80	Lord Dudley of Gowrie Park
364	Lily of Jersey Vale ..	Mrs. L. Orchard ..	Jersey	5,107	4.86	247.95	Golden Twylsh
365	Pansy 6th of Ferntree Vale	E. A. Dennis ..	"	4,525	5.48	247.82	Starlight Renard
366	Pearl of Carracoorte ..	W. Henderson ..	Ayrshire	5,985	4.08	244.05	Fritz of Rythdale
367	Ashlyn 63rd ..	T. J. McGalliard ..	Friesian	6,629	3.65	242.16	Royal King Champion
368	Begonia of Ben Kell ..	R. Ralston ..	Ayrshire	5,790	4.18	242.11	Marvel of Willow Vale
369	Karong Belle 2nd ..	J. Baker ..	Red Poll	5,469	4.43	242.04	Uncle Sam
370	Daffodil of Jersey Vale	Mrs. L. Orchard ..	Jersey	4,431	5.43	240.70	Golden Twylsh
371	Tragedy of Linden ..	F. W. Beischer ..	"	5,685	4.72	239.99	The Chief of Linden
372	Belle A. ..	R. Faragher ..	"	4,726	5.07	239.68	Bell Boy of Hill Crest
373	Bud of Carracoorte ..	W. Henderson ..	Ayrshire	6,507	3.67	238.99	George of Warrook
374	Betsy 10th of Carracoorte	W. Henderson ..	"	5,325	4.46	237.71	Lena's Fritz of Carracoorte
375	Pearl 3rd of Carracoorte	W. Henderson ..	"	5,490	4.33	237.66	Bruce of Warrook
376	Trixie of Colac ..	R. O. Hogg ..	Jersey	4,354	5.44	237.40	Handsome Progress
377	Fanciful of Sunnyside ..	J. Pettit ..	Ayrshire	5,428	4.37	237.07	Bernie of Oakbank
378	Jessie 23rd of Melrose ..	A. E. Dennis ..	Jersey	3,946	6.00	236.07	Golden Fern's Viscount (imp.)
379	Flowing Vale Vellum ..	Evans Bros. ..	Red Poll	6,030	3.91	236.04	Bellum Victor
380	Blossom of Woodside ..	F. W. Beischer ..	Jersey	4,425	5.32	235.52	Benedictine's (imp.)
381	Noorat Mignonette ..	Mrs. A. Black ..	"	5,212	4.49	233.86	Milkad of Banyule
382	Brownie 3rd of Carracoorte	W. Henderson ..	Ayrshire	5,670	4.11	233.14	Lord Dudley

MATURE COWS. (OVER 5 YEARS AT TIME OF CALVING.) 350 LB. STANDARD—continued.

Order of Merit.	Cow.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
				lb.		lb.	
383	Lady Kathleen of Glen-eira	W. Henderson ..	Ayrshire	5,625	4.14	233.08	Harry Lauder of Lady Bank
384	Primrose 2nd of Bonshaw	E. M. Lennie ..	Jersey	4,390	5.30	232.75	The Pilot of Tarnpurr
385	Dominion Woodnymph	Colac High School	Friesian	7,690	2.98	229.34	Woodcrest Jo (mz.)
386	Chloe of Clarendon Eyre	C. Moody ..	Jersey	5,490	4.17	228.91	Lotina's Larkspur's Twylish
387	Pansy of Grahamsvale	Mrs. L. Orchard ..	"	4,410	5.06	223.09	Golden Twylish
388	Flossie of Carracoorte ..	W. Henderson ..	Ayrshire	5,070	4.37	221.61	Bruin of Gleneira
389	Brunette of Willow Vale	R. Ralston ..	"	5,115	4.23	216.54	Gain of Oakbank
390	Tarrawarra 47	T. J. McGalliard ..	Friesian	6,262	3.46	216.47	Count Togo
391	Milkmaid of Inverleigh ..	A. H. Schler ..	Ayrshire	5,771	3.64	210.35	Major of Gowrie Park
392	Rose of Hillcrest	Mrs. M. and W. A. Francis	"	4,866	4.30	209.47	Victor of Warrook
393	Pearline 2nd of Retreat	H. V. McKay Estate	"	4,875	4.26	207.80	Commonwealth of Retreat
394	Sweet Briar of Glen Avon	W. Henderson ..	"	4,170	4.95	206.26	Maxim of Oakbank
395	Jessie of Welbourne ..	G. Rowe ..	Jersey	5,028	4.05	203.64	Young Premier
396	Kenta of Somerville ..	R. O. Hogg ..	"	3,274	6.01	196.87	Rochdale King
397	Bellona's Queenie of Carracoorte	W. Henderson ..	Ayrshire	4,335	4.35	188.43	Problem of Willow Vale
398	Thelma 2nd of Carracoorte	W. Henderson ..	"	4,863	3.85	187.15	Fritz of Rythdale
399	Belle of Wethersdane ..	Cockbill Bros. ..	"	4,170	4.05	169.03	His Majesty of Wethersdane
400	Linda 2nd of Bonshaw ..	Mrs. E. M. Lennie	Jersey	3,450	4.88	168.62	Laddie 2nd of Banyule
401	Wild Tulip 2nd ..	E. T. Jones ..	Friesian	4,787	3.47	166.01	Canterbury Statesman
402	Coral of Carracoorte ..	W. Henderson ..	Ayrshire	3,880	4.21	163.54	Lord Dudley of Gowrie Park
403	Diana of Craignell ..	E. T. Jones ..	Friesian	4,086	3.20	159.55	King Mercena
404	Betsy 8th of Carracoorte	W. Henderson ..	Ayrshire	3,735	4.14	154.48	Lord Dudley of Gowrie Park
405	Tarrawarra 33	T. J. McGalliard ..	Friesian	4,305	3.46	148.76	Count Togo
406	Lucy of Glen Avon ..	W. Henderson ..	Ayrshire	2,325	4.02	93.42	Maxim of Oakbank

SENIOR 4 YEAR OLD. (Between 4½ and 5 Years.) 325 lb. Standard.

Order of Merit.	Cow.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
				lb.		lb.	
1	Rosella 10th of King's Vale	J. Hutchinson and Son ..	Jersey	8,067	6.43	518.56	Jessema's Imperial 5th of King's Vale
2	Maid 3rd of Linden	C. G. Lyon ..	"	8,569	5.99	513.05	Chief of Linden
3	Vesta of Somerville ..	J. Hutchinson and Son ..	"	10,150	5.02	509.80	Werribee Madeira's Northwood King
4	Princess Valda of Somerville	J. Hutchinson and Son ..	"	9,645	5.25	506.34	M. A. T. of Banyule
5	Werribee Island Fancy	P. Chirnsid ..	"	7,945	6.34	503.82	Island Northwood Satisfaction
6	Tulip 2nd of Springhurst	J. D. Read ..	"	7,935	5.52	437.74	Attraction of Springhurst
7	Silvermae 24th of Banyule	C. G. Lyon ..	"	8,502	5.01	426.15	Audrey Lord's Twylish
8	Poppy 2nd of Hill Crest ..	E. M. Lennie ..	"	6,657	6.36	423.69	Retford Peer
9	Jennie of Lerderderg ..	J. Willis ..	Friesian	11,085	3.80	421.57	Bolobek Archie
10	Lady Marge 2nd of Jerseyholm	T. Harvey ..	Jersey	7,423	5.62	417.03	Emperor
11	Brilliance of Kelburn ..	Mrs. I. Beard ..	"	7,356	5.61	414.70	Noble's Lad of Kelburn
12	Canary 4th of Lesterfield	L. W. Thompson ..	"	6,699	5.83	390.64	Quality 6th's Son of Melrose
13	Springfield Lady 2nd ..	J. T. Tweddle ..	Friesian	9,544	4.08	389.47	Rosevale Inka Sylva Posch
14	Adella of Inverleigh ..	Dookie Agricultural College	Ayrshire	8,874	4.29	380.65	Warwick of Sparovale
15	Kyora Anthem ..	Miss L. Robinson ..	Jersey	6,475	5.86	379.26	Brown Duke of Glen Iris
16	St. Alban's Pearl ..	H. Allez ..	Friesian	11,457	3.30	378.21	St. Albans May King
17	Alice of Comely Banks	Finn Bros. ..	Jersey	7,429	4.97	369.44	Northwood Financier of Meridale
18	Silver Maid of Glenwood	A. Balsillie ..	Jersey	6,210	5.93	368.23	Bulloak of Tarnpurr

SENIOR 4 YEAR OLD. (BETWEEN 4½ AND 5 YEARS.) 325 LB. STANDARD—continued.

Order of Merit.	Cow.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
				lb.		lb.	
19	Lady Elector 9th of Melbourne	W. H. Axford ..	Jersey	6,255	5.88	367.79	Golden Fern's Viscount
20	Beauty of Staghorn ..	F. Bidgood ..	"	7,252	5.06	367.22	Werribee's Fancy Butter King
21	Lady Grey 18th of St. Albans	R. Purnell ..	"	6,724	5.36	360.41	Brighton King 8th
22	Foxglove 3rd of Tarnpirr	E. A. Dennis ..	"	6,414	5.58	358.13	Mythic's Choice of Tarnpirr
23	Silk of Woodside ..	Miss Robinson ..	"	6,199	5.76	357.18	Speedwell's Volunteer (Imp.)
24	Mildred of Greenwood ..	K. McGarvie ..	"	7,686	4.61	353.94	Golden Hero of Greenwood
25	Rarity of Meadowvale	W. H. Atherton ..	"	5,854	6.04	353.85	Handsome Lad of Woodville
26	Pecaninny 6th of Melksham Park	W. Axford ..	"	6,717	5.19	348.57	Peerless King of Melrose
27	Cashmere's Queen of Rose-neath	R. Goodman ..	Ayrshire	8,365	4.09	342.35	Ikon of Glen Alvie
28	Naldera of Woodside ..	C. D. Lloyd ..	Jersey	6,951	4.90	340.37	Goldfinder (Imp.)
29	Wattle Bloom of Bellaire	W. H. Atherton ..	"	5,905	5.73	338.30	Lord Richmond
30	Milkmaid of Ferndale ..	O. G. Handbury ..	"	6,315	5.36	338.18	Lord Grey of St. Albans
31	Jubilee Wallflower ..	W. P. Rozen ..	"	6,675	5.05	337.33	Milkmaid Chief of Banyule
32	Amy 2nd of Greenwood	K. McGarvie ..	"	6,874	4.90	336.63	Collegian of Greenwood
33	Jubilee Musk ..	W. P. Rozen ..	"	7,386	4.52	334.16	Twylsh Madiera's Fox 2nd of Werribee
34	Alsike 2nd of Springhurst	J. D. Read ..	"	4,816	6.81	328.06	Arcadia's Choice of Tarnpirr
35	Millie 2nd of Retreat ..	H. V. McKay Estate	Ayrshire	7,879	4.12	324.47	Commonwealth of Retreat
36	Dolichos of Longerenong	Longerenong Agricultural College	"	7,099	4.57	324.12	Gay Lad of Sparrovale
37	Jubilee Dahl'a ..	G. Esler ..	Jersey	6,994	4.62	322.91	Twylsh Madiera's Fox 2nd
38	Dafodil of Goronga Farm	Miss H. E. Raleigh	"	6,290	5.09	320.13	Big Chief of Glen Iris
39	Rose Bloom of Holly Green	H. L. Webb ..	Ayrshire	7,750	4.10	317.50	Maxwell of Glencira
40	Carnation of Ferntreevale	J. Phillips ..	Jersey	6,034	5.20	314.12	Jessie's Handsome Boy
41	May 2nd of Melksham Park	W. H. Axford ..	"	6,558	4.78	313.42	Perree's King of Melrose
42	Forget-me-not of Retreat	W. J. Muhlebach ..	Ayrshire	6,790	4.56	309.62	Commonwealth of Retreat
43	Broom ..	Department of Agriculture	Red Poll	7,683	4.02	309.00	Nicotine
44	Ashlyn 85 ..	J. T. Tweedle ..	Friesian	8,664	3.56	308.53	Royal King Champion
45	Ivy of Colac ..	R. O. Hogg ..	Jersey	5,442	5.66	308.22	Lassie's Fox of Colac
46	Daphne of Quarry Hills	J. G. Lobb ..	Ayrshire	6,790	4.52	306.54	Boaz of Wethersdale
47	Gold Bird of Methven ..	C. Deverell ..	Jersey	5,659	5.29	299.36	Haigh of Springhurst
48	Scotswood Marigold ..	A. H. Schier ..	Ayrshire	7,852	3.81	298.92	Warwick of Sparrovale
49	Bumper 2nd of Greenwood	K. McGarvie ..	Jersey	5,475	5.44	297.82	Emulator of Greenwood
50	Myrtle of Retreat ..	H. V. McKay Estate	Ayrshire	7,251	4.04	293.05	Commonwealth of Retreat
51	Marcia of Holly Green ..	J. G. Lobb ..	"	8,037	3.63	291.83	Gladys' Pride of Wilson House
52	Twylsh's Twinkle of Marlba	H. Luxton ..	Jersey	6,270	4.64	290.93	Twylsh's Madiera's Fox 2nd
53	Brownie 5th of Carracoorte	W. Henderson ..	Ayrshire	6,060	4.75	287.98	Victor 2nd of Carracoorte
54	Gloria of Longerenong	Longerenong Agricultural College	"	6,528	4.41	287.59	Gay Lad of Sparrovale
55	Prue 4th of Carracoorte	W. Henderson ..	"	6,525	4.36	284.69	Problem of Willowvale
56	Daisy 2nd of Bignold ..	Mrs. Archibald and Son	Jersey	5,116	5.56	284.63	Jessie's Imperial 4th of King's Vale
57	Lucy 3rd of Carracoorte	W. Henderson ..	Ayrshire	6,600	4.29	283.06	Lord Dudley of Gowrie Park
58	Mabel of Sparrovale ..	Geelong Harbour Trust	"	6,570	4.22	277.56	Romeo of Sparrovale
59	Dot of Franklin Park ..	W. A. Sandles ..	Jersey	5,241	5.20	272.69	Neat Lad of Kirkhill
60	Springfield Lass 2nd ..	T. McGallard ..	Friesian	7,573	3.56	269.90	Rosedale Inka Sylvia Posch
61	Pretty Pansy of Welbourne	G. Rowe ..	Jersey	4,330	6.11	264.35	Young Premier of Welbourne
62	Joan of Lerderberg ..	J. Wills ..	Friesian	7,774	3.38	262.54	May Prince of St. Albans
63	Betsy 9th of Carracoorte	W. Henderson ..	Ayrshire	5,235	4.61	241.24	Problem of Willowvale
64	Thelma 5th of Carracoorte	W. Henderson ..	"	4,950	4.56	225.74	Victor 2nd of Carracoorte
65	Berry 2nd of Carracoorte	W. Henderson ..	"	4,207	4.78	201.15	Problem of Willowvale
66	Penella 5th of Carracoorte	W. Henderson ..	"	3,720	4.70	174.83	Victor 2nd of Carracoorte
67	Violet 3rd of Carracoorte	W. Henderson ..	"	3,855	4.46	171.92	Problem of Willowvale
68	Minerva's Balm 3rd of Carracoorte	W. Henderson ..	"	3,900	4.36	170.07	Victor 2nd of Carracoorte
69	Jenny Lind 16th of Melbourne	E. A. Dennis ..	Jersey	2,721	6.09	165.58	Golden Fern's Viscount
70	Rosebloom 6th of Carracoorte	W. Henderson ..	Ayrshire	4,155	3.95	164.28	Problem of Willowvale

JUNIOR 4 YEAR OLD. (Between 4 and 4½ Years.) 300 lb. Standard.

Order of Merit.	Cow.	Owner.	Breed.	Milk	Average Test.	Butter Fat.	Sire.
1	*Bainfield Topsy 13th ..	O. J. Syme ..	Friesian	lb.	4.10	lb.	Rosevale King Sylvia
2	Burnbank Inka Sylvia Violet	J. T. Tweddle ..	"	14,155 13,228	593.29 4.37	578.26	Rosevale Inka Burkeyje
3	Werribee Wyandotte Cream	F. E. Wilcox ..	Jersey	9,792	5.72	549.16	Werribee Wyandotte Fancy
4	Gladiolus of Springhurst	J. D. Read ..	"	9,732	5.57	541.59	Arcadia's Choice of Tarnpirr
5	Mystery of Belzonia ..	P. J. Muloney ..	"	9,585	5.47	513.35	Hedge of Banyule
6	*Burnbank Sylvia Posch	Flack and Gamble ..	Friesian	15,432	3.29	568.73	Rosevale Inka Burkeyje
7	Silvermine 23rd of Banyule	C. G. Lyon ..	Jersey	11,365	1.45	505.70	Andrew's Lord Twyllish
8	Laura of Rosemont ..	R. Maher ..	"	7,659	6.20	475.54	Colber of Banyule
9	Princess 2nd of Strathbow	G. G. Handbury ..	"	7,512	6.30	473.05	Golden Mac of Strathbow
10	Velvetreen 5th of Banyule	C. G. Lyon ..	"	9,805	4.80	470.15	Milkmaid's Chief of Banyule
11	Preston Daisy Girl ..	A. A. Broad ..	"	8,820	5.08	447.85	Acacia King
12	Empire 9th of Melrose ..	W. Woodmason ..	"	7,512	5.93	445.82	Golden Fern's Viscount
13	Hiddeewinks of Banyule	C. G. Lyon ..	"	7,366	5.99	440.95	Milkmaid's Chief of Banyule
14	Mignonette of Harcourt	A. A. Broad ..	"	7,995	5.41	422.60	Me-sines of Springhurst
15	Colina of Methven ..	F. Raggatt ..	"	6,585	6.40	425.24	Arcadia's Choice of Tarnpirr
16	Lily of Rosemont ..	T. Mesley ..	"	7,075	5.99	423.72	Carle's 5th Noble of Melrose
17	Bainfield Topsy 15th ..	Flack and Gamble ..	Friesian	8,938	4.63	420.84	Rosevale King Sylvia
18	Jean 2nd of Ashby ..	Dickinson Bros. ..	"	11,454	3.58	410.31	Robobek General
19	St. Albans Netherland Princess	A. W. Jones and Son ..	"	11,764	3.41	401.30	Westmere Prince Mercedes
20	Rosebud 2nd of Grangelea	A. A. Broad ..	Jersey	8,121	4.90	397.95	Golden Twyllish
21	Victoria of Glen Coee ..	A. Wallace ..	Ayrshire	8,715	4.52	393.84	Bosher of Oakbank
22	Lady Grey 17th of St. Albans	A. W. Jones and Son ..	Jersey	7,947	5.34	392.21	Brighton King 8th
23	Westmere Pontiac Gem 2nd	A. W. Jones and Son ..	Friesian	11,253	3.43	386.10	Woodcrest Pietje Pontiac
24	St. Albans Daffodil Mercena	A. W. Jones and Son ..	"	10,882	3.54	385.55	Michalmas King
25	Dianthus of Springhurst	D. Cameron and Son ..	Jersey	6,138	6.19	379.81	Arcadia's Choice of Tarnpirr
26	Sweet Bell of Rochdale ..	C. G. Lyon ..	"	6,456	5.87	379.00	Werribee Madeira's Northwood King
27	Rosebud 2nd of Brookfield	J. H. Huffer ..	"	7,609	4.92	378.53	Rarity's Fawn Duke of Melrose
28	Dot of Greenwood ..	K. McGarvie ..	"	6,994	5.36	374.63	Foxy Duke of Greenwood
29	Springfield Nesta ..	A. W. Jones and Son ..	Friesian	11,479	3.25	372.78	Rosevale Inka Sylvia Posch
30	Biddy 2nd of Kelburn ..	J. McDougall ..	Jersey	7,227	5.14	371.73	Tiny Tim of Kelburn
31	Thelma of Roseligh ..	H. V. McKay Estate ..	Ayrshire	8,686	4.26	370.25	Fuchsia's Fredrick of Warrook
32	Ada of Roseneath ..	R. Goodman ..	"	7,976	4.57	359.90	Selkirk of Rythdale Park
33	Wonga Belle of Waratta	C. Deverell ..	Jersey	6,384	5.59	356.94	Haig of Springhurst
34	Lady Starbright of Brucevale	H. Laxton ..	"	7,230	4.89	353.49	Island Butter King (imp.)
35	Burnbank Inka Sylvia Flower	Flack and Gamble ..	Friesian	8,518	4.12	350.85	Rosevale Inka Buckeye
36	Ditny of Clarendon Eyre	W. P. Rogen ..	Jersey	7,015	5.00	350.49	Daisy 3rd's Twyllish of Clarendon Eyre
37	Viola 4th of Carracoorte	W. Henderson ..	Ayrshire	8,037	4.31	346.26	Lori Dudley of Gowrie Park
38	Azalea of Greenwood ..	K. McGarvie ..	Jersey	6,516	5.31	345.94	Golden Hero of Greenwood
39	Burnbank Queen Patch	J. T. Tweddle ..	Friesian	9,262	3.65	338.20	Rock Patch
40	Charm 3rd's Vanity of Elouera	J. H. Cathro ..	Jersey	5,758	5.87	338.17	Haig of Springhurst
41	Flower of Bismold ..	S. Earle ..	"	7,269	1.63	336.63	Jolly Mike of Fairview
42	Poppy of Sparrovale ..	Geelong Harbour Trust ..	Ayrshire	8,034	4.17	334.69	Luminous of Sparrovale
43	Victoria Rose Major ..	Department of Agriculture ..	Red Poll	8,274	3.98	329.56	Longford Major
44	Jess of Clarendon Eyre ..	W. P. Rogen ..	Jersey	6,759	4.85	327.82	Lotina's Larkspur Twyllish
45	Monitress of Rockbank	W. H. Axford ..	"	5,713	5.68	324.73	Nonie's King of Melksham Park
46	Pearl 12th of Melrose ..	L. W. Thompson ..	"	5,975	5.35	322.23	Golden Fern's Viscount
47	Retford Promise ..	W. Woodmason ..	"	4,074	6.44	320.46	Promethes (imp.)
48	Maid of Cathcart ..	H. L. Webb ..	Ayrshire	8,004	3.99	319.67	Lavendo of Glencairn
49	Missie of Greenwood ..	K. McGarvie ..	Jersey	6,412	4.96	317.73	Golden Hero of Greenwood
50	Graceful Duchess 27th of Melrose	K. McGarvie ..	"	5,076	6.21	315.06	Golden Fern's Viscount
51	Springfield Lass 2nd ..	T. McGalliard ..	Friesian	7,896	3.92	309.77	Roseale Inka Sylvia Posch
52	Rosary of Gowrie Park ..	G. Gange ..	Ayrshire	8,190	3.77	309.08	Brae Boy of Gowrie Park
53	Ladylike of Cathcart ..	A. W. Gorman ..	"	7,213	4.27	307.67	Lavendo of Glencairn
54	Patricia of Ben Kell ..	R. Rakton ..	"	6,651	4.55	302.45	Marvel of Willow Vale
55	Belladonna of Sparrovale	Geelong Harbour Trust ..	"	6,909	4.37	301.65	Scottish King of Gowrie Park
56	Queenie of Comely Banks	E. Hall ..	Jersey	5,545	5.43	301.10	Flowers 6th Nobleman of Melrose

* Milked three times daily.

JUNIOR 4 YEAR OLD. (BETWEEN 4 AND 4½ YEARS.) 300 LB. STANDARD—continued.

Order of Merit.	Cow.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
				lb.		lb.	
57	Misty of Gracedale ..	W. H. Adams ..	Ayrshire	6,335	4'66	295'41	Combination of Glengowrie
58	Mervyn ..	Evans Bros. ..	Red Poll	7,966	3'70	291'39	Dinkum Astrologer
59	Scotswood Sylvia ..	A. H. Schier ..	Ayrshire	6,504	4'49	292'26	Warwick of Sparrovale
60	Beauty of Warenda ..	W. Axford ..	Jersey	4,153	7'00	290'89	Choirmaster of Warenda
61	Princess 2nd of Willow Park	W. K. Atkinson ..	Shorthorn	6,831	4'53	288'79	Havelock of Darbalara
62	Sunrise of Rythdale Park	J. G. Lobb ..	Ayrshire	6,231	4'52	281'41	Leonard of Rythdale Park
63	Coral 4th of Carracoorte	W. Henderson ..	"	6,615	4'32	278'93	Lord Dudley of Gowrie Park
64	Marigold 2nd of Greenwood	K. McGarvie ..	Jersey	5,857	4'76	278'80	Grey Fox of St. Albans
65	Fox's Queen 2nd of Stag-horn	F. Bldgood ..	"	5,130	5'43	278'49	Madeira's King of Staghorn
66	Bad of Sparrovale ..	Geelong Harbour Trust	Ayrshire	4,794	5'67	271'94	The Laird of Sparrovale
67	Dunalister Mannikin's Attraction	D. Peter ..	Jersey	5,019	5'34	268'07	Mannikin of Glen Iris
68	Brownie 5th of Carracoorte	W. Henderson ..	Ayrshire	5,655	4'69	265'08	Victor 2nd of Carracoorte
69	Iris 4th of Carracoorte	W. Henderson ..	"	5,460	4'69	264'71	Lord Dudley of Gowrie Park
70	Mollie Riley of Sparrovale	Geelong Harbour Trust	"	5,833	4'60	263'16	The Laird of Sparrovale
71	Marjory of Woolamal Park	G. Kent ..	"	6,150	4'27	262'84	Luminous of Woolamal Park
72	Blanche of Carracoorte	W. Henderson ..	"	5,865	4'30	252'02	Lord Dudley of Gowrie Park
73	Rosebud of Hillcrest ..	Mrs. M. and W. Francis	"	5,566	4'50	250'32	Laddle of Hillcrest
74	Iris 5th of Carracoorte ..	W. Henderson ..	"	5,610	4'46	250'20	Lena's Fritz of Carracoorte
75	Jessie 33 of Melrose ..	O. G. Handbury ..	Jersey	4,396	5'69	250'12	Golden Fern's Viscount
76	Lady Elector 10th of Melrose	D. Peter ..	"	4,637	5'37	249'01	Golden Fern's Viscount
77	Gipsy Love of Woodside	C. D. Lloyd ..	"	5,611	4'40	246'91	Goldfinder (imp.)
78	Brownie 6th of Carracoorte	W. Henderson ..	Ayrshire	5,265	4'58	241'00	Lord Dudley of Gowrie Park
79	Rosebloom 7th of Carracoorte	W. Henderson ..	"	5,895	4'05	238'76	Problem of Willow Vale
80	Pansy of Ben Kell ..	R. Rakston ..	"	6,060	3'91	236'88	Virtue's Jamie of Ben Kell
81	Bellona's Queenie of Carracoorte	W. Henderson ..	"	4,770	4'77	227'66	Problem of Willow Vale
82	Scotswood Mistletoe ..	Dookie Agricultural College	"	5,322	4'23	224'11	Warwick of Sparrovale
83	Pearline 2nd of Retreat	H. V. McKay Estate	"	5,442	4'10	223'04	Commonwealth of Retreat
84	Gentle of Springfield ..	J. G. Lobb ..	"	5,370	4'11	220'69	Med um of Oakbank
85	Perfect of Wethersdane	Cockhill Bros. ..	"	4,932	4'32	212'83	His Majesty of Wethersdane
86	Helena 2nd of Carracoorte	W. Henderson ..	"	5,159	4'02	207'22	Problem of Willowvale
87	Scotswood Mayflower ..	A. H. Schier ..	"	5,646	3'53	199'44	Justice of Inverleigh
88	Filpail 8th of Carracoorte	W. Henderson ..	"	4,785	4'11	196'52	Lena's Fritz of Carracoorte
89	Pearl 4th of Carracoorte	W. Henderson ..	"	4,680	4'08	190'74	Lord Dudley of Gowrie Park
90	Ada 4th of Carracoorte	W. Henderson ..	"	4,575	4'13	188'74	Lord Dudley of Gowrie Park
91	Fennella 7th of Carracoorte	W. Henderson ..	"	4,785	3'93	187'91	Lord Dudley of Gowrie Park
92	Victoria Milk Belle ..	Colac High School ..	Friesian	5,295	3'53	137'10	Victoria Milkman Joe
93	Lucy 4th of Carracoorte	W. Henderson ..	Ayrshire	3,885	4'68	181'74	Lord Dudley of Gowrie Park
94	Pansy's Queen of Retreat	W. Mahlebach ..	"	1,065	4'39	173'53	Violet's King of Retreat
95	Woodruff Mystic Maid	R. Purnell ..	Jersey	2,646	6'55	173'24	White Fox of Clovelly
96	Minnie 4th of Carracoorte	W. Henderson ..	Ayrshire	4,155	4'14	172'14	Lord Dudley of Gowrie Park
97	Rosebloom 6th of Carracoorte	W. Henderson ..	"	4,035	4'03	162'69	Problem of Willow Vale
98	Bud 3rd of Carracoorte	W. Henderson ..	"	3,525	4'37	153'95	Lord Dudley of Gowrie Park
99	Dahlia 3rd of Carracoorte	W. Henderson ..	"	3,321	4'23	140'55	Problem of Willow Vale

SENIOR 3 YEAR OLD. (Between 3½ and 4 Years.) 275 lb. Standard.

Order of Merit.	Cow.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
				lb.		lb.	
1	Vanity of Woorayl ..	Leongatha High School	Jersey	7,863	7'02	552'12	Cream Duke of Glen Iris
2	*Burnbank Inka Segis	Flack and Gamble	Friesian	16,611	3'27	543'23	Alderly Segis Beets (imp.)
3	Fraulein Muller						
4	Rosevale Cordele Posch	J. T. Tweddle ..	"	16,465	3'27	538'53	Rosevale Korndyke Sylvia Posch

* Milked three times daily.

SENIOR 3 YEAR OLD. (BETWEEN 3½ AND 4 YEARS.) 275 LB. STANDARD—continued.

Order of Merit.	Cow.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
4	Canary 5th of Lesterfield	T. M. Noble ..	Jersey	lb.		lb.	
5	Chloe 2nd of Clarendon-eyre	C. Moody ..	"	8,572	5'94	503'75	Quality's 6th Son of Melrose
6	Marie 2nd of Belgonia ..	P. J. Maloney ..	"	8,049	6'04	486'20	Lotinas Larkspur's Twylsh
7	Blossom of Belgonia ..	P. J. Maloney ..	"	8,178	5'76	470'75	Choice Boy of Belgonia
8	Norma of Terara ..	H. Luxton ..	"	9,322	5'00	466'29	Hedge of Banylue
9	Lady Grey 25th of St. Albans	J. J. Baker ..	"	8,037	5'49	440'92	Carnegie of Terara
10	Rosebud of Roseleigh ..	G. Gange ..	Ayrshire	8,085	5'35	432'43	Brighton King 8th
11	Tecoma of Springhurst..	J. D. Read ..	Jersey	10,072	4'27	430'10	Fuchsia's Fredrick of Warrook
12	Linda 57th of King's Vale	J. Anderson, junr... ..	"	7,917	5'42	429'64	Cossack of Springhurst
13	Mercedes Belle of Avalon	F. Austin ..	"	7,627	5'56	424'17	Jessama's Imperial 5th of King's Vale
14	Dinah of Greenwood ..	K. McGarvie ..	"	7,692	5'48	421'51	Mercedes Chief of Glen Iris
15	Jessie 34th of Melrose ..	P. Chirnside ..	"	7,596	5'55	421'45	Golden Hero
16	Silver Wattle of Bellaire	W. H. Atherton ..	"	7,626	5'52	421'14	Golden Fern's Viscount
17	Chrysanthemum of Springhurst	J. D. Read ..	"	8,409	4'98	418'79	Prince of Bellaire
18	Pretty Belle of Wattle Bank	J. Huffer.. ..	"	8,190	5'11	418'43	Monash of Springhurst
19	Birdfoot of Springhurst	D. Cameron and Son	"	8,550	4'81	411'12	Pretty King
20	Goldfinch 2nd of Grange-lica	A. A. Broad ..	"	6,637	6'18	409'94	Cossack of Springhurst
21	Mystery of St. Albans	R. Purnell ..	"	8,016	4'94	395'65	Golden Twylsh
22	Lily's Queen of Holly Green	H. L. Webb ..	Ayrshire	6,045	6'42	388'27	Menaleus of Kaima
23	Corriedale Gala Princess	Master J. Baker ..	Red Poll	9,117	4'26	388'18	Glady's Pride of Wilson House
24	Rosebud of Taranah ..	C. W. Macauley ..	Jersey	7,794	4'97	387'03	Victoria Flight Commander
25	Clara Grey of Greenwood	K. McGarvie ..	"	6,251	6'15	384'36	Lily 6th Son of Melrose
26	Eclipses Vixen of Meadow Vale	J. Cook ..	"	7,000	5'33	376'45	Grey Fox of St. Albans
27	Empress 2nd of Jersey-holm	T. Harvey ..	"	6,447	5'77	371'93	Rarity 8th Eclipse of Meadow Vale
28	Princess of Latrobe ..	E. H. Howlett ..	"	6,241	5'94	370'68	New Alliance of Jerseyholm
29	Rosebud of Paradise ..	Simpson and Charl-ton	"	8,008	4'58	369'70	Hazel's Noble of Morwell Park
30	Holly of Longerenong ..	Longerenong Agri-cultural College	Ayrshire	6,150	5'97	367'23	Big Chief of Glen Iris
31	Daisy of Ballara ..	F. Trevasakis ..	Jersey	8,218	4'46	360'77	Life Buoy of Longerenong
32	Una of Wooringa ..	C. Deverell ..	"	6,588	5'56	360'67	Hedge of Banyule
33	Boronia of Roseleigh ..	G. Gange ..	Ayrshire	5,460	6'66	363'90	Big Chief of Glen Iris
34	Harmony of Hill Crest	Simpson and Charl-ton	Jersey	8,254	4'32	356'19	Fuchsia's Fredrick of Warrook
35	Arcadia's Princess of Methven	C. Deverell ..	"	6,850	5'19	355'32	Retford Peer
36	Buttercup of Jersey Vale	Mrs. L. Orchard ..	"	5,952	5'92	352'40	Arcadia's Choice of Tarnplirr
37	Lassie Fowler of Rose-mont	R. H. Maher ..	"	6,645	5'29	351'64	Choice 2nd of Tarnplirr
38	Rosemary of Greenwood	K. McGarvie ..	"	5,961	5'87	350'03	Cobber of Banyule
39	Tilly of Hyde Park ..	Telford Estate ..	Ayrshire	6,543	5'31	347'25	Foxy Duke of Greenwood
40	Blossom of Thistledon	Cockbill Bros. ..	"	6,787	5'06	343'51	Elsdon of Willowvale
41	Burrink Fayne Segls Patch	Flack and Gamble ..	Friesian	7,110	4'80	340'98	Barney of Springfield
42	Quality of Beverly ..	W. H. Atherton ..	Jersey	9,168	3'72	340'65	Rock Patch
43	Waide of Greenvale ..	J. Plattfuss ..	Friesian	5,706	5'91	337'22	Rarity's 8th Eclipse of Meadow Vale
44	Florence of Kilburn ..	J. McDougall ..	Jersey	9,649	3'47	335'18	Victoria Rose Patch
45	Bellona 4th of Carracoorte	W. Henderson ..	Ayrshire	7,288	4'59	334'58	Noble Lad of Kilburn
46	Victoria Veloutine ..	Department of Agri-culture	Red Poll	6,828	4'85	331'22	Lord Dudley of Gowrie Park
47	Shadow of Linga Longa	Mrs. I. Beard ..	Jersey	9,079	3'64	330'41	Nicotine
48	Graceful Duchess 31st of Melrose	W. Woodmason ..	"	5,830	5'67	330'19	Dawn of Warenda
49	Victoria Bellata ..	Department of Agri-culture	Red Poll	5,261	6'27	329'79	Golden Fern's Viscount
50	Daisy of Linga Longa ..	Mrs. I. Beard ..	Jersey	7,824	4'22	329'60	Belligerent
51	Lady Louie of Thistledon	Cockbill Eros. ..	Ayrshire	5,724	5'72	327'67	Arcadia's Choice of Tarnplirr
52	Scotswood Jeanette ..	A. H. Schier ..	"	6,346	5'10	323'65	Doctor Jim of Riverside
53	Victoria Maple Leaf ..	Department of Agri-culture	Red Poll	8,212	3'92	321'99	Magnet of Inverleigh
54	Heather of Springhurst	R. Henry ..	Jersey	7,719	4'16	321'04	Nicotine
				5,709	5'49	318'21	Arcadia's Choice of Tarnplirr

SENIOR 3 YEAR OLD (BETWEEN 3½ AND 4 YEARS.) 275 LB. STANDARD—continued.

Order of Merit.	Cow.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
				lb.		lb.	
55	Tiny of Beverly ..	T. H. Atherton ..	Jersey	4,740	6'69	317'22	Rarity 8th Eclipse of Meadow Vale
56	Jessie of Sunnyford ..	J. V. M. Wood ..	"	5,475	5'73	313'96	Starbright's Renard
57	Lady Evelyn of Roseleigh ..	G. Gange ..	Ayrshire	7,600	4'12	313'21	Fuchsia's Fredrick of Warrook
58	Graceful Duchess 29th of Melrose ..	M. Lyons ..	Jersey	5,043	6'18	311'63	Jessie 13th Count
59	Fulham Cora ..	Cockbill Bros. ..	Ayrshire	6,388	4'88	311'53	Provider of Willowvale
60	Peerless of Leathorne ..	Gibson Bros. ..	Jersey	4,902	6'47	310'94	Annette's Chief 2nd of Linden
61	Gertrude of Carracoorte ..	W. Henderson ..	Ayrshire	5,956	5'06	301'48	Lord Dudley of Gowrie Park
62	Dianthus of Methven ..	C. Deverell ..	Jersey	5,214	5'09	296'78	Arcadia's Choice of Tarnpirr
63	Victoria Coronation ..	Department of Agriculture ..	Red Poll	6,636	4'45	295'16	Vice Regal
64	Bauhinia of Springhurst ..	R. J. Henry ..	Jersey	5,481	5'38	294'74	Monash of Springhurst
65	Noorat Midget ..	Mrs. A. Black ..	"	5,554	5'29	294'03	Milkad of Banyule
66	Bolobek Damsel ..	O. J. Syme ..	Friesian	7,669	3'80	291'22	Rhoda Prince Rubicon
67	Queenie 6th of Melksham Park ..	K. McGarvie ..	Jersey	4,972	5'78	287'49	Peerless King of Melrose
68	Princess Royal of Somerville ..	J. L. Gardiner ..	"	6,426	4'47	287'20	Werribee Madeira's Northwood King
69	Princess of Wyndarra ..	N. De La Rue ..	"	5,397	5'31	286'69	Lauder of Colac
70	Mollie of Greenwood ..	K. McGarvie ..	"	5,499	5'18	284'75	Emulator of Greenwood
71	Valda of Comely Banks ..	S. Earle ..	"	5,376	5'28	284'10	Beauty's Lad
72	Peeress of Leven Brae ..	T. R. Findlay ..	"	5,770	4'92	283'73	Brighton King 8th
73	Victoria Virgilia ..	Department of Agriculture ..	Red Poll	5,811	4'86	282'51	Vice Regal
74	Ruby of Willow Park ..	W. K. Atkinson ..	Shorthorn	6,268	4'48	280'87	Havelock of Darbalara
75	Clover of Mona Bank ..	R. Faragher ..	Jersey	4,756	5'79	275'34	Foxie of Tarnpirr
76	Leura of Greenwood ..	K. McGarvie ..	"	5,182	5'28	273'55	Foxy Boy of Greenwood
77	Jewel of Greenwood ..	K. McGarvie ..	"	5,418	5'05	273'33	Golden Hero of Greenwood
78	Crissie of Hyde Park ..	Telford Estate ..	Ayrshire	5,738	4'72	270'91	Elsdon of Willow Vale
79	Beauty 3rd of Quarry Hills ..	J. G. Lobb ..	"	6,927	3'86	267'46	Boaz of Wethersdam
80	Jessie of Willow Park ..	W. K. Atkinson ..	Shorthorn	6,700	3'96	265'17	Havelock of Darbalara
81	Melody 2nd of Warendale ..	Mrs. A. Black ..	Jersey	4,329	6'12	264'99	Choirmaster of Warendale
82	Mode of Cathcart ..	A. Gorman ..	Ayrshire	5,779	4'58	264'78	Lavendo of Glencairn
83	Filipall 9th of Carracoorte ..	W. Henderson ..	"	6,450	4'08	262'84	Problem of Willow Vale
84	Leila of Hillcrest ..	M. & W. A. Francis ..	"	6,390	4'07	260'18	Victor of Warrook
85	Viola 6th of Carracoorte ..	W. Henderson ..	"	6,237	4'16	259'54	Lord Dudley of Gowrie Park
86	Winlaton Jean De Kol ..	J. T. Tweddle ..	Friesian	7,725	3'35	258'81	Rock's Dazzler of Brundie
87	Annie 2nd of Rythdale Park ..	J. G. Lobb ..	Ayrshire	6,628	3'88	257'15	Marvel of Devon Park
88	Cashmere's Queen of Roseneath ..	R. Goodman ..	"	6,487	3'95	256'13	Ikon of Glen Alvie
89	Kitty of Welbourne ..	W. J. Muhlebach ..	Jersey	5,545	4'58	253'78	Beauty's Prince of Somerville
90	Belle of Mona Bank ..	R. Faragher ..	"	5,547	4'51	250'13	Foxie of Tarnpirr
91	Dairylass 2nd of Carracoorte ..	W. Henderson ..	Ayrshire	5,715	4'31	246'45	Lord Dudley of Gowrie Park
92	Melody of Holly Green ..	H. Webb ..	"	5,425	4'54	246'10	Headlight of Holly Green
93	Nightingale of Sparrovale ..	Geelong Harbor Trust ..	"	5,676	4'30	244'33	Scottish Laird of Sparrovale
94	Halecote Grace Patch ..	T. J. McGalliard ..	Friesian	7,686	3'11	238'92	Victoria Joe Patch
95	Lizzie of Carracoorte ..	W. Henderson ..	Ayrshire	4,726	4'89	231'18	Lord Dudley of Gowrie Park
96	Winnie of Welbourne ..	G. Rowe ..	Jersey	4,254	5'41	230'32	Beauty's Prince of Somerville
97	Countess of Hillcrest ..	Mrs. M. and W. Francis ..	Ayrshire	4,650	4'82	224'16	Victor of Warrook
98	Duchess 2nd of Willow Park ..	W. K. Atkinson ..	Shorthorn	6,057	3'60	218'25	Stratagem of Willow Park
99	Minerva's Balm 4th of Carracoorte ..	W. Henderson ..	Ayrshire	4,755	4'53	215'37	Lord Dudley of Gowrie Park
100	Scotswood Belle ..	A. H. Schler ..	"	5,215	2'85	200'64	Comrade of Fassifern
101	Lena 3rd of Carracoorte ..	W. Henderson ..	"	4,140	4'70	194'47	Problem of Willow Vale
102	Coral 6th of Carracoorte ..	W. Henderson ..	"	4,530	4'14	187'64	Lena's Fritz of Carracoorte
103	May 3rd of Jersey Vale ..	Mrs. L. Orchard ..	Jersey	3,462	5'30	183'60	Choice 2nd of Tarnpirr
104	Scotswood Mignonette ..	A. H. Schler ..	Ayrshire	3,625	4'81	174'54	Bellboy of Oakbank
105	Bloom of Carracoorte ..	W. Henderson ..	"	4,410	3'85	169'77	Lord Dudley of Gowrie Park
106	Garland of Carracoorte ..	W. Henderson ..	"	3,870	4'00	154'01	Lord Dudley of Gowrie Park

JUNIOR 3 YEAR OLD. (Between 3 and 3½ Years.) 250 lb. Standard.

Order of Merit.	Cow.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
				lb.		lb.	
1	*Burnbank Balfield Patch	Flack and Gamble	Friesian	15,591	3'81	606'75	Rock Patch
2	Fairy of Willow Park ..	W. H. Atkinson ..	Shorthorn	13,225	3'09	527'52	Stratacam of Willow Park
3	Harebell of Springhurst	D. Cameron and Son	Jersey	8,419	5'98	503'18	Superior V.C. of Tarnpirr
4	Bainfield Sylvia Topsy 6th	O. J. Syme ..	Friesian	10,320	4'65	480'23	Rosevale King Sylvia
5	Pledge of Ben Kill ..	R. Ralston ..	Ayrshire	7,896	5'52	435'77	Poppa's Advance of Ben Kell
6	Jessie 37th of Melrose ..	W. Woodmason ..	Jersey	6,747	6'32	426'73	Golden Fern's Viscount
7	Fulham Vanity ..	Cockbill Bros. ..	Ayrshire	9,240	4'61	426'11	The Laird of Sparrowale
8	St. Alban's Rose Mercedes	A. W. Jones and Son	Friesian	11,010	3'75	412'38	Westmere Prince Mercedes
9	Werribee Fancy's Clementine 3rd	C. D. Lloyd ..	Jersey	6,660	6'17	410'91	Werribee Fancy's King
10	Damsel of Willow Park	W. K. Atkinson ..	Shorthorn	9,378	4'36	409'00	Havelock of Darbalara
11	Silvermine 25th of Banyule	C. G. Lyon ..	Jersey	6,678	6'04	403'45	Lily 3rds Prince of Ferntree Vale
12	Vanilla 18th of Melrose	J. Phillips ..	"	6,523	6'14	400'70	Golden Fern's Viscount (imp.)
13	Zoe 7th of Melrose ..	Miss H. B. Raleigh ..	"	7,027	5'62	394'77	Jessie 13th Count of Melrose
14	Daisy 2nd of Grangelea	A. A. Broad ..	"	6,800	6'24	393'01	Golden Twylsh
15	Empress 5rd of Jerseyholme	T. Harvey ..	"	6,709	5'76	390'88	New Alliance of Jerseyholme
16	Audrey of Roseleigh ..	G. Gange ..	Ayrshire	8,424	4'58	385'55	Fuchsia's Fredrick of Warrook
17	Werribee Attraction's Fancy Madeira	P. Chirnside ..	Jersey	6,348	6'05	384'09	Werribee Attraction's Fancy
18	Lady Grey 26th of St. Albans	A. W. Jones and Son	"	7,275	5'27	383'73	King 3rd of St. Albans
19	Beatrice of Merivale ..	C. Wade ..	"	7,224	5'26	379'04	Twylsh Queen's Fox
20	Princess 3rd of Grangelea	A. Broad ..	"	6,907	5'47	377'71	Golden Twylsh
21	Lassie 2nd of Strathbow	F. Raggatt ..	"	6,804	5'52	375'62	Golden Mac of Strathbow
22	Jubilee Thyme ..	G. Esler ..	"	6,375	5'74	365'86	Goddington Winks 6th
23	Hawthorn 9th of Banyule	C. G. Lyon ..	"	6,927	5'27	365'11	Lily 3rds Prince of Ferntree Vale
24	Airlie of Roseleigh ..	G. Gange ..	Ayrshire	9,142	3'97	362'93	Fuchsia's Fredrick of Warrook
25	Beauty 6th of Somerville	S. Earle ..	Jersey	7,827	4'57	357'69	Cream Boy of Somerville
26	Margaret of Clarendon Eyre	C. Moody ..	"	6,028	5'92	356'74	Daisy 3rds Twylsh of Clarendon Eyre
27	Princess Ida of Cloverfield	A. Schlipphalus ..	"	5,911	5'99	354'13	Glen Renard
28	Silvermine of Latrobe ..	E. H. Howlett ..	"	6,671	5'30	353'88	Molly's Twylsh of Banyule
29	Fulham Fashion ..	Cockbill Bros. ..	Ayrshire	8,676	4'00	352'22	Optimist of Oakbank
30	Venus of Concordia ..	Lehman Bros. ..	Jersey	6,747	5'22	351'09	King of St. Albans
31	Pearl of Roseleigh ..	G. Gange ..	Ayrshire	8,205	4'25	351'02	Fuchsia's Fredrick of Warrook
32	Queenie 2nd of Ashby ..	Dickinson Bros. ..	Friesian	9,510	3'68	350'41	Bolobek General
33	Lassie of Strathbow ..	O. G. Handbury ..	Jersey	6,262	5'53	346'27	Golden Mac of Strathbow
34	Lantana's Superior of Methven	C. Deverell ..	"	5,210	6'62	345'60	Superior V.C. of Tarnpirr
35	Kirsty 13th of Jerseyholme	Quigley and Bennett	"	7,287	4'74	345'12	Venture's Hero
36	Daffodil of Greenvale ..	J. Plattfuss ..	Friesian	9,426	3'60	339'59	Victoria Rose Patch
37	Pretty Lady of Whare Koa	J. Cook ..	Jersey	5,931	5'69	337'33	Retford Mourier Lad
38	Cora of Elouera ..	H. E. Raleigh ..	"	6,022	5'54	333'63	Lily's Lad of Holmwood
39	Burnbank Muller Patch	J. T. Tweddle ..	Friesian	8,871	3'76	333'61	Rock Patch
40	Gold Mine of Methven	C. Deverell ..	Jersey	5,725	5'82	332'99	Haig of Springhurst
41	Glenrosy ..	Simpson and Charlton	"	6,544	5'05	330'21	Glenlarkspur
42	Airlie of Roseleigh ..	G. Gange ..	Ayrshire	7,737	4'26	329'37	Marquis of Roseleigh
43	Thora of Jersey Meadows	Mrs. D. Stark ..	Jersey	5,310	6'10	324'10	Emperor 2nd of Jerseyholme
44	Beatrice of Holbrook	A. E. Ellis ..	"	4,890	6'54	320'01	Tiny Tim of Kelburn
45	Pearl 13th of Melrose ..	S. Webb ..	"	5,584	5'71	319'71	Golden Fern's Viscount (imp.)
46	Lotus Queen of Whare Koa	J. L. Gardener ..	"	5,868	5'40	316'59	Retford Mourier Lad
47	Snow Queen of Willis Vale	G. Dwyer ..	"	6,228	5'07	315'83	Niphetos Twylsh of Willis Vale
48	Kyora's Three Star ..	Miss Robinson ..	"	6,003	5'24	314'52	Lotina's Mike
49	Burnbank Canary Patch	J. T. Tweddle ..	Friesian	8,075	3'89	314'32	Rock Patch
50	Fern's Duchess of Glen Iris	C. D. Lloyd ..	Jersey	5,806	5'38	312'49	Perree's Duke
51	Mercedes Buttercup 2nd of Avalon	F. Austin ..	"	5,810	5'37	311'93	Mercedes Chief of Glen Iris
52	Empire 10th of Melrose	J. Phillips ..	"	4,734	6'58	311'40	Golden Fern's Viscount
53	Lady Monica 16th of King's Vale	S. Webb ..	"	6,204	4'98	308'82	Canary's V.C.

* Milked three times daily.

JUNIOR 3 YEAR OLD. BETWEEN 3 AND 3½ YEARS. 250 LB. STANDARD—continued.

Order of Merit.	Cow.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
54	Gentle Lady of Greenwood	K. McGarvie ..	Jersey	lb.	5'29	308'04	Jock of Greenwood
55	St. Alban's Queen of Geelong	A. W. Jones and Son	Friesian	5,827	3'47	307'57	Rosevale Korndyke Colan-tha
56	Chevy 15th of Melrose ..	W. Woodmason ..	Jersey	5,841	5'20	303'54	Jessie 13th's Count
57	Bud of Linga Longa ..	Mrs. I. Beard ..	"	4,986	6'06	302'18	Dawn of Warena
58	Fox's Clementine 3rd of Staghorn ..	F. Bidgood ..	"	5,641	5'35	301'56	Werribee Fancy Butter King
59	Flowing Vale Violetta ..	Evans Bros. ..	Red Poll	6,187	4'86	300'86	Bellam Victor
60	Gaiety Girl 14th of Melrose ..	M. Lyons ..	Jersey	5,821	5'16	300'45	Golden Fern's Viscount
61	Blossom 6th of Melrose ..	A. Schliphallus ..	"	4,869	6'12	297'87	Golden Fern's Viscount
62	Princess of Glenallwyn ..	K. McGarvie ..	"	5,721	5'18	296'12	Prince Renard
63	Yorkshire Oakwood Topsy ..	J. Plattfuss ..	Friesian	7,671	3'85	295'03	Dominion Oakwood
64	Winton Secret Princess ..	J. T. Tweddle ..	"	8,056	3'66	294'45	King Alcatraz
65	Mernda of Longerenong ..	Longerenong Agri-cultural College	Ayrshire	7,458	3'95	294'44	Merman of Longerenong
66	Queenie 6th of Melksham Park ..	K. McGarvie ..	Jersey	5,235	5'51	293'55	Peerless King of Melrose
67	Gladie d Duplicate Posch Queenie ..	H. Alley ..	Friesian	7,567	3'85	291'17	Bolobek Prince Duplicate Posch
68	Victoria Bellona ..	Department of Agriculture	Red Poll	5,662	5'12	290'02	Belligerent (imp.)
69	Lady Grey 29th of St. Albans ..	A. W. Jones and Son	Jersey	4,770	6'08	290'01	Brighton King 8th
70	Blanche of Carracoorte ..	W. Henderson ..	Ayrshire	6,705	4'30	288'52	Lord Dudley of Gowrie Park
71	Verbena of Ayrbrae ..	H. V. McKay Estate	"	6,315	4'54	286'71	Harmonist of Ellerslie
72	Kith of Tregorland ..	J. F. Tuckey ..	"	6,309	4'53	286'11	Bonnie Earl of Gowrie Park
73	Burnbank Dutch Princess ..	J. T. Tweddle ..	Friesian	6,290	4'51	283'51	Prince of Coralce
74	Wattleblossom of Leathorne ..	Gibson Bros. ..	Jersey	4,774	5'92	282'73	Annett's Chief 2nd of Linden
75	Maisie of Catchart ..	A. W. Gorman ..	Ayrshire	6,576	4'29	282'53	Major of Cathcart
76	Faith of Peri ..	J. Phillips ..	Jersey	5,865	4'81	282'16	Bosun of Meadowvale
77	Gay Lass of Clover Flat ..	A. C. Willis ..	"	5,430	5'19	281'96	Bonnie Lad of King's Vale
78	Joy Bell of Ballara ..	J. Trevasia ..	"	5,265	5'30	278'83	Arcadia's Choice of Tarnpurr
79	Coral 4th of Carracoorte ..	W. Henderson ..	Ayrshire	5,772	4'83	278'68	Lord Dudley of Gowrie Park
80	Beauty 4th of St. Albans ..	A. W. Jones and Son	Jersey	4,515	6'05	273'30	King 3rd of St. Albans
81	Pennon of Dookie ..	Dookie Agricultural College	Ayrshire	6,144	4'44	272'97	Wallace of Gowrie Park
82	Ringlet of Sparrovale ..	Geelong Harbour Trust	"	6,160	4'43	272'72	Jellicoe of Sparrovale
83	Chickoowee of Bushby Park ..	Mrs. F. M. Akhurst	Jersey	4,440	6'13	272'28	Glenrenard
84	Duchess of Welbourne ..	G. Rowe ..	"	5,127	5'28	270'84	Beauty's Prince of Somerville
85	Burnbank Inka Segis Iona	J. T. Tweddle ..	Friesian	8,266	3'24	263'10	Alderly Segis Beets
86	Scotswood Question ..	Dookie Agricultural College	Ayrshire	5,602	4'77	267'10	Bell Boy of Oakbank
87	Daphne of Swansea ..	E. A. Dennis ..	Jersey	5,611	4'75	266'60	Alloy of Banyule
88	Burnbank Mercedes Patch ..	J. T. Tweddle ..	Friesian	6,792	3'92	266'52	Rock Patch
89	Beauty 6th of Carracoorte ..	W. Henderson ..	Ayrshire	5,460	4'87	265'59	Lord Dudley of Gowrie Park
90	Rose of Franklin Park ..	E. A. Sandes ..	Jersey	4,309	6'12	263'70	Neat Lad of Kirkhall
91	Foxglove of Lynuig ..	E. A. Dennis ..	"	4,939	5'33	263'05	Tiny's Treasure of Tarnpurr
92	Canary 13th of King's Vale ..	J. Anderson, junr. ..	"	4,578	5'61	256'86	Jessie's Imperial 5th of King's Vale
93	Kyora's Velveteen 2nd ..	Miss S. L. Robinson	"	5,240	4'90	256'84	Werribee Wyandott's Fancy
94	Queenie of Comely Banks ..	E. Hall ..	"	4,937	5'11	253'51	Flower's 6th Nobleman of Melrose
95	Maisie 3rd of Burnside ..	J. G. Lobb ..	Ayrshire	5,979	4'24	253'49	Provider of Willowvale
96	Bright Jewel of Mona Bank ..	R. Faragher ..	Jersey	4,969	5'09	252'89	Foxie of Tarnpurr
97	Mignonette of Sparrovale ..	Geelong Harbour Trust	Ayrshire	5,398	4'61	248'94	The Laird of Sparrovale
98	Karong Rose 7th ..	J. Baker ..	Red Poll	5,892	4'25	246'71	Uncle Sam
99	Leiderberg Lass ..	J. Willis ..	Friesian	7,822	3'08	241'23	Rosevale Ideal Keys
100	Scotswood Duchess ..	A. H. Schier ..	Ayrshire	5,107	4'71	240'50	Bell Boy of Oakbank
101	Peony of Carracoorte ..	W. Henderson ..	"	5,814	4'09	238'01	Lord Dudley of Gowrie Park
102	Lily of Roseneath ..	R. Goodman ..	"	5,455	4'34	236'84	Provider of Willow Vale
103	Noorat Maggie ..	Mrs. A. Black ..	Jersey	4,225	5'59	236'03	Best Choice of Tarnpurr
104	Rosalind of Sparrovale ..	Geelong Harbour Trust	Ayrshire	5,070	4'65	235'65	The Laird of Sparrovale
105	Princess of Cathcart ..	A. W. Gorman ..	"	5,122	4'60	235'63	Lavendo of Glencalm
106	Wistaria of Longerenong ..	Longerenong Agri-cultural College	"	5,461	4'31	235'36	Life Buoy of Gowrie Park
107	Shiels of Sparrovale ..	Geelong Harbour Trust	"	5,064	4'61	233'66	Scottish King of Gowrie Park

JUNIOR 3 YEAR OLD. (BETWEEN 3 AND 3½ YEARS.) 250 LB. STANDARD—continued.

Order of Merit.	Cow.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
				lb.		lb.	
108	Pansy of Ben Kell ..	R. Ralston ..	Ayrshire	5,569	4'20	233'63	Virtue's Jamie of Ben Kell
109	Yarra Brae Oakleaf ..	T. J. McGalliard ..	Friesian	6,304	3'70	233'39	Dominion Oakdale
110	Sunlight of Ro-eleigh ..	G. Gange ..	Ayrshire	5,701	4'07	231'87	Fuchsia's Frederick of
111	Flowing Vale Merval ..	Evans Bros. ..	Red Poll	4,887	4'71	230'19	Warrook
112	Jubilee Aster ..	Miss B. Reid ..	Jersey	3,765	6'11	229'87	Dinkum Astrologer
113	Waratah of Sparrovale ..	Geelong Harbour Trust	Ayrshire	4,845	4'63	224'30	Goddington Winks 6th (imp.) Laird of Sparrovale
114	Gipsy Queen of Sparrovale	Geelong Harbour Trust	"	4,680	4'71	220'29	Kenilworth of Sparrovale
115	Pearl of Jersey Vale ..	Mrs. L. Orchard ..	Jersey	4,710	4'67	220'00	
116	Halecot Grace Patch ..	T. J. McGalliard ..	Friesian	6,252	3'47	217'04	Choice 2nd of Tarnpurr
117	Picture of Ben Kell ..	R. Ralston ..	Ayrshire	5,415	3'98	215'45	Victoria Joe Patch
118	Vida of Glen Avon ..	J. Pettit ..	"	5,100	4'01	208'25	Marvel of Willow Vale
119	Victoria Ghenta ..	Department of Agriculture	Red Poll	4,753	4'35	206'83	Warlock of Fernhill Longford Major
120	Choice of Hillcrest ..	Mrs. M. and W. A. Francis	Jersey	4,167	4'93	205'52	Victor of Warrook
121	Rosary of Gowrie Park ..	G. Gange ..	Ayrshire	5,250	3'81	200'32	
122	Karong Belle 4th ..	J. Baker ..	Red Poll	4,491	4'44	199'24	Brae Boy of Gowrie Park
123	Brownie 7th of Carracoorte	W. Henderson ..	Ayrshire	4,680	4'25	198'70	Anakie Prince Lord Dudley of Gowrie Park
124	Glipps Eumea ..	Warragul High School	Red Poll	4,984	3'98	198'20	Warragul
125	Thornhill Shella ..	J. F. Keating ..	"	5,052	3'90	196'84	Banzai
126	Ada 4th of Carracoorte ..	W. Henderson ..	Ayrshire	4,470	4'30	192'14	Lord Dudley of Gowrie Park
127	Gentle of Springfield ..	J. G. Lobb ..	Red Poll	4,115	4'53	186'39	Medium of Oakbank
128	Victoria Rose Regal ..	Department of Agriculture	"	4,249	4'25	180'55	Vice Regal
129	Titchie of Tregorland ..	J. F. Tuckey ..	Ayrshire	3,392	5'16	175'19	
130	Jubilee Orange Blossom ..	G. Esler ..	Jersey	3,145	5'32	167'33	Larus of Gowrie Park
131	Yarra Brae Inka Noir ..	T. J. McGalliard ..	Friesian	4,793	3'25	155'86	Jubilee Flashlight
132	Dunallister Mannakin's Peerces Attractive 2nd	H. Patullo ..	Jersey	2,367	6'54	154'68	Springfield Inka Mannakin of Glen Iris
133	Pansy's Queen of Retreat ..	W. Muhlebach ..	Ayrshire	3,312	4'24	140'37	
134	Halecote Patchware ..	H. Allz ..	Friesian	4,405	3'15	138'81	Violet's King of Retreat
135	Scotswood Reason ..	A. H. Schier ..	Ayrshire	3,578	3'60	128'96	Victoria Jo Patch
136	Fuchsia 6th of Carracoorte	W. Henderson ..	"	2,475	4'45	110'03	Roderick of Inverleigh Lord Dudley of Gowrie Park

SENIOR 2 YEAR OLD. (Between 2½ and 3 Years.) 225 lb. Standard.

Order of Merit.	Cow.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
				lb.		lb.	
1	Burnbank Woodcrest Marchioness	J. N. Ferguson ..	Friesian	16,398	3'59	588'36	Burnbank Marquis 2nd
2	*Yorkshire Rosevale Ideal	J. Plattfuss ..	"	13,587	3'67	498'34	Dominion Oakwood
3	Werritee Island Fancy Starbright	P. Chirnside ..	Jersey	7,022	6'57	461'40	Island Butter King (imp.)
4	Blossom II. of Belgonia	P. J. Maloney ..	"	9,562	4'60	461'25	Hedge of Banyule
5	Bainfield Netherland Sylvia 2nd	O. J. Syme ..	Friesian	12,456	3'69	459'34	Rosevale King Sylvia
6	Soprano 4th of Banyule	C. G. Lyon ..	Jersey	7,969	5'49	437'49	Molly's Twylsh of Banyule
7	Daisy 2nd of Rosemont	R. H. Maher ..	"	6,366	6'85	436'11	Cobber of Banyule
8	Marie 2nd of Belgonia ..	P. J. Maloney ..	"	8,253	5'22	430'61	Choice Boy of Belgonia
9	Stumpy of Belgonia ..	P. J. Maloney ..	"	7,077	5'95	420'92	Hedge of Banyule
10	Joy Queen of Riversdale	W. C. Cayley ..	Ayrshire	9,585	4'32	413'08	Beauty's Pride of Retreat
11	Twinkles Queen of Springfield	H. A. Cooper ..	Jersey	6,462	6'34	409'85	Butter King of Staghorn
12	Rarity 2nd of Meadowvale	P. Chirnside ..	"	6,178	6'57	405'93	Handsome Lad of Woodville
13	Lassie of Elouera ..	J. Clyne ..	"	6,469	6'21	401'48	Lily's Lad of Holmwood
14	Daisy of Staghorn ..	F. Bidgood ..	"	7,161	5'50	394'16	Madelra's King
15	Clover 2nd of Springhurst	J. D. Read ..	"	6,247	6'27	391'42	Protector of Springhurst
16	Peggy of Parkview ..	J. McDougall ..	"	7,876	4'91	386'69	Toney of Parkview
17	Empress 4th of Jersey-holme	T. Harvey ..	"	7,101	5'39	382'98	Venture's Hero
18	Minnehaha 3rd of Clarendon Eyre	W. P. Rogan ..	"	6,172	6'17	380'92	Eminent V.C.
19	Garenne of Brucevale ..	P. Chirnside ..	"	6,793	5'50	379'55	Discord of Warendale

* Milked three times daily.

SENIOR 2 YEAR OLD. (BETWEEN 2½ AND 3 YEARS.) 225 LB. STANDARD—continued.

Order of Merit.	Cow.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
				lb.		lb.	
20	Pansy of Glenallwyn ..	K. McGarvie ..	Jersey	7,890	4.79	378.32	Prince Renard
21	Burnbank Inka Sylvia Muller	Flack and Gamble	Friesian	9,822	3.64	357.82	Rosevale Inka Burkeyje
22	Royal Rose of the Valley	Mrs. E. M. Lennie	Jersey	6,220	5.71	355.31	Foxglove of the Valley
23	Burnbank Sylvia Posch Triumph	Flack and Gamble	Friesian	11,117	3.18	353.24	Rosevale Inka Sylvia Triumph
24	Gay Lass of Willow Park	W. K. Atkinson ..	Shorthorn	8,272	4.26	352.63	Havelock of Darbalara
25	Victoria Bright Eye ..	Department of Agriculture	Red Poll	6,772	5.18	350.53	Vice Regal
26	Harmony of Leura ..	W. H. Axford ..	Jersey	5,283	6.61	349.10	Discord of Warendia
27	Ashby Patricia Pauline	Dickinson Bros. ..	Friesian	9,139	3.76	343.79	St. Albans May Queen
28	Burnbank Woodcrest Patch	Flack and Gamble	"	8,410	4.09	343.67	Netherland Prince Rock Patch
29	Brown Belle of Whare Koa	J. L. Gardener ..	Jersey	5,712	5.98	341.34	Retford Mourier Lad
30	Audrey of Woorayl ..	Leongatha High School	"	5,160	6.60	340.52	Cream Duke of Glen Iris
31	Gladfield Duplicate Posch Ruby	H. Allez ..	Friesian	8,934	3.79	338.23	Bolobek Prince Duplicate Posch
32	Victoria Bellbird ..	Department of Agriculture	Red Poll	6,427	5.25	337.43	Belligerent (imp.)
33	Dunallster Perrees Noble Myrtle	D. Peter ..	Jersey	5,913	5.69	336.83	Perrees Duke (imp.)
34	Escape of Comely Banks	Finn Bros. ..	"	5,595	6.02	336.62	Lily's Lad of Holmwood
35	Nightshade II. of Springhurst	J. D. Read ..	"	4,998	6.66	332.70	Arcadia's Choice of Tampirr
36	Pansy of Liscard ..	C. W. Macauley ..	"	5,712	5.79	330.76	Baron of Liscard
37	Pollyanna of Aberdour ..	J. V. M. Wood ..	"	6,109	5.38	328.87	The Laird
38	Laburnum of Springhurst	J. D. Read ..	"	5,974	5.42	324.07	Alloy of Banyule
39	Victoria La Regal ..	Department of Agriculture	Red Poll	8,805	3.63	319.87	Vice Regal
40	Lily's Maid of Comely Banks	Finn Bros. ..	Jersey	5,935	5.36	318.02	Lily's Lad of Holmwood
41	My Hope 2nd of Lynuill	E. A. Dennis ..	"	4,878	6.47	315.71	Tiny's Treasure of Tampirr
42	Kyora's Pearl ..	Miss S. L. Robinson	"	5,526	5.67	313.06	Werribee Wyandotte's Fancy
43	Victoria Calumet ..	Department of Agriculture	Red Poll	6,570	4.73	310.91	Belligerent (imp.)
44	Victoria Kia ..	Department of Agriculture	"	7,141	4.33	309.45	Vice Regal
45	Bolobek Juliet ..	Dunbar Bros. ..	Friesian	9,181	3.36	308.53	Colantha Van Wild Rose
46	Victoria Longbird ..	Department of Agriculture	Red Poll	6,361	4.81	306.01	Longford Major (imp.)
47	Lerderberg Rosemary ..	J. Willis ..	Friesian	7,998	3.78	302.32	St. Alban's May Prince
48	Quality of Narrawong	R. Purnell ..	Jersey	5,052	5.98	301.94	Garant's Hero
49	Queenie 5th of Willow Park	W. K. Atkinson ..	Shorthorn	6,571	4.59	301.64	Colonel of Willow Park
50	Mercedes Neatest of Avalon	F. Austin ..	Jersey	4,773	6.32	301.55	Mercedes Chief of Glen Iris
51	Fox's Madeira of Staghorn	F. Bidgood ..	"	5,677	5.30	300.94	Daisy's Fox II.
52	Glendaphne	Gilbert and Burns ..	"	5,556	5.41	300.76	Glenlarkspur
53	Victoria Stripe ..	Department of Agriculture	Red Poll	7,242	4.07	294.80	Vice Regal
54	Tulip 2nd of the Valley	Mrs. Lowing ..	Jersey	5,962	4.94	294.48	Foxglove of the Valley
55	Bolobek Agneta ..	O. J. Syme ..	Friesian	7,954	3.61	287.27	Colantha Van Wild Rose
56	Shaster Daisy of Springhurst	J. D. Read ..	Jersey	4,899	5.84	287.20	Alloy of Banyule
57	Music of Holly Green ..	H. L. Webb ..	Ayrshire	6,255	4.58	286.60	Headlight of Holly Green
58	Sylvia of Franklin Park	W. A. Sandles ..	Jersey	5,007	5.70	285.46	Monash of Melrose
59	Lily Langtry of Rainga	P. H. Lawrence ..	"	4,527	6.28	284.42	Kewpie of Warendia
60	Dainty of Willow Park	W. K. Atkinson ..	Shorthorn	6,540	4.33	283.20	Havelock of Darbalara
61	Gladfield Duplicate Posch Perfect	H. Allez ..	Friesian	7,215	3.91	281.81	Bolobek Prince Duplicate Posch
62	Gwen 2nd of Greenwood	K. McGarvie ..	Jersey	5,149	5.47	281.78	Foxy Duke of Greenwood
63	Pearl of Swansea ..	E. A. Dennis ..	"	5,694	4.92	280.28	Pearl's Twylish of Ferntree Vale
64	Daisy of Lyndon Park ..	W. H. Adams ..	Ayrshire	5,460	5.09	278.12	Dairy Boy of Carracoorte
65	Wattleblossom 2nd of Leathorne	Gibson Bros. ..	Jersey	4,888	5.69	277.91	Annett's Chief 2nd of Linden
66	Glencoe Mercedes Johanna	J. N. Ferguson ..	Friesian	7,329	3.78	277.18	Westmere Prince Mercedes (imp.)

* Milked three times daily.

SENIOR 2 YEAR OLD. (BETWEEN 2½ AND 3 YEARS.) 225 LB. STANDARD—continued.

Order of Merit.	Cow.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
				lb.		lb.	
67	Francie of Somerville ..	F. Harrison ..	Jersey	4,080	6.78	276.46	Cream Boy of Somerville
68	Duplicate Posch Meta ..	H. Allez ..	Friesian	6,697	4.13	276.30	Bolobek Duplicate Posch Prince
69	Dairy Lass of Ben Kell ..	R. Ralston ..	Ayrshire	5,370	5.10	274.08	Ruff of Oakbank
70	St Albans Tulip Princess	A. W. Jones and Son	Friesian	8,880	3.02	268.36	Rosevale Korndyke Colan- tha
71	Majesty of Riversdale ..	W. C. Cayley ..	Ayrshire	6,162	4.31	265.46	Beauty's Pride of Retreat
72	Burnbank Inka Fayne Triumph	J. T. Tweddle ..	Friesian	7,953	3.33	264.60	Rosevale Inka Sylvia Triumph
73	Mercedes Buttercup 3rd of Avalon	F. Austin ..	Jersey	4,914	5.37	264.02	Mercedes Chief of Glen Iris
74	Bona Vista Daphne ..	J. G. Lobb ..	Ayrshire	6,501	4.06	264.00	Bob of Caulfield
75	Burnbank Bonnie 2nd Mercedes	S. Russell ..	Friesian	7,745	3.39	262.21	Burnbank Mercedes King
76	Jessemla 16th of King's Vale	S. Webb ..	Jersey	4,947	5.27	260.53	Thorn of Banyule
77	Morocco's Linda of Rainga	P. H. Lawrence ..	"	5,165	5.00	257.90	Linda's Record 6th of King's Vale
78	Retford Emmie ..	H. Luxton ..	"	4,365	5.90	257.52	Justice Gamboge
79	Gipps Annette ..	Warragul High School	Red Poll	6,798	3.79	257.33	Warragul
80	Bolobek Dominett ..	O. J. Syme ..	Friesian	6,505	3.94	256.62	Colanthe Van Wild Rose
81	Ditto of Medburn Grove	Dooke Agricultural College	Ayrshire	5,656	4.53	256.34	Macadam of Gowrie Park
82	Victoria Florin ..	Department of Agri- culture	Red Poll	6,184	4.13	255.50	Longford Major
83	Amy of Sparrovale ..	Geelong Harbor Trust	Ayrshire	5,586	4.54	253.68	Kenilworth of Sparrovale
84	Letitia of Somerville ..	W. H. Atherton ..	Jersey	4,009	6.19	248.20	Werribee Madeira's North- wood King
85	Victoria Euphrates ..	Department of Agri- culture	Red Poll	5,974	4.13	246.74	Vice Regal
86	Daisy 2nd of Ballara ..	H. Patullo ..	Jersey	4,773	5.12	244.55	Silver Boy of Woringa
87	Myra of Holly Green ..	H. L. Webb ..	Ayrshire	5,436	4.49	244.29	Headlight of Holly Green
88	Karong Lily 2nd ..	J. Baker ..	Red Poll	4,818	5.04	242.06	Karong Pride
89	Donna of Somerville ..	F. Harrison ..	Jersey	5,188	4.67	242.46	Cream Boy of Somerville
90	Doll of Greenwood ..	H. McGarvie ..	"	5,135	4.70	241.34	Golden Hero of Greenwood
91	Virginia II. of Spring- hurst	W. S. Richardson ..	"	3,877	6.13	237.58	Alloy of Banyule
92	Poppy of Jersey Vale ..	L. Orchard ..	"	4,612	5.07	233.75	Choice 2nd of Tarnpirr
93	Goldfield Flower ..	F. W. Beischer ..	"	4,593	5.05	229.21	Jessima's Imperial 4th of Kingsvale
94	Choirmaster's Queen of Rainga	P. H. Lawrence ..	"	3,913	5.84	228.45	Choirmaster of Warenda
95	Hyacinth of Jersey Vale	Mrs. L. Orchard ..	"	3,807	5.98	227.64	Choice 2nd of Tarnpirr
96	Princess of Riversdale ..	W. C. Cayley ..	Ayrshire	6,051	3.75	226.62	Beauty's Pride of Retreat
97	Cinnamon of Cloverfield	Simpson and Charl- ton	Jersey	4,518	4.95	223.68	Big Chief of Glen Iris
98	Victoria Balloon ..	Department of Agri- culture	Red Poll	5,272	4.21	221.93	Vice Regal
99	Cloverleaf of Springfield	J. G. Lobb ..	Ayrshire	5,325	4.14	220.54	Medium of Oakbank
100	Bona Vista Jessie ..	J. G. Lobb ..	"	6,006	3.66	219.95	Royal Prince of Glenelra
101	Veronica of Springhurst	J. D. Read ..	Jersey	4,474	4.73	211.62	Alloy of Banyule
102	Lucy 5th of Carracoorte	W. Henderson ..	Ayrshire	4,680	4.51	211.11	Lena's Problem of Carra- coorte
103	Bloom of Medburn Grove	Dooke Agricultural College	"	4,377	4.69	205.24	Macadam of Gowrie Park
104	Rockbank Tulip 3rd ..	H. Allez ..	Friesian	5,985	3.41	204.14	Bolobek Amos
105	Bellona 6th of Carra- coorte	W. Henderson ..	Ayrshire	4,230	4.53	191.78	Lena's Fritz of Carracoorte
106	Clover 2nd of Mona Bank	R. Faragher ..	Jersey	3,429	5.58	191.27	Foxy of Tarnpirr
107	Dahlia 2nd of Spring- hurst	W. S. Richardson ..	"	3,176	6.02	191.19	Alloy of Banyule
108	Coral 6th of Carracoorte	W. Henderson ..	Ayrshire	4,516	4.04	182.51	Lena's Fritz of Carracoorte
109	Gladsome of Burnbrae ..	G. Gange ..	"	4,805	4.21	181.08	Lucious of Burnbrae
110	Chissy 4th of Hillcrest	Mrs. M. and W. Francis	"	3,730	4.70	175.48	Victor of Woorkak
111	Princess 2nd of Roseleigh	G. Gange ..	"	4,065	4.07	165.57	Marquis of Roseleigh
112	Rosebloom 9th of Carra- coorte	W. Henderson ..	"	3,435	4.19	143.90	Problem of Willow Vale
113	Fulham Sylvia ..	Cockbill Bros. ..	"	3,646	3.88	141.63	His Majesty of Wethersdane
114	Bunty 4th of Carracoorte	W. Henderson ..	"	3,120	4.41	137.49	Lena's Problem
115	Betsy 13th of Carracoorte	W. Henderson ..	"	2,430	5.21	126.66	Victor 3rd of Carracoorte
116	Helena 4th of Carracoorte	W. Henderson ..	"	2,385	4.18	99.63	Lena's Fritz of Carracoorte

JUNIOR 2 YEAR OLD. (Under 2½ Years.) 200 lb. Standard.

Order of Merit.	Cow.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
				lb.		lb.	
1	*Greenvale Dolly 3rd ..	J. Plattfuss ..	Friesian	14,842	3'47	515'58	Lydholme Segis Paxton
2	Carrie 3rd of Queen's Vale	W. H. Hurrey ..	Jersey	7,321	6'27	458'67	Linda's Record 7th of King's Vale
3	Hawthorn 11th of Banyule	C. G. Lyon ..	"	7,550	5'71	431'11	Wotton Airman (Imp.)
4	Peggy of Belgonia ..	P. J. Maloney ..	"	8,044	5'22	420'07	Prince of Belgonia
5	Agnes 4th of Warendia	T. Mesley ..	"	7,221	5'70	411'56	Kinnor of Banyule
6	Halecote Opera Girl ..	Smith and Sons ..	Friesian	12,484	3'27	408'28	Victoria Songboy
7	Werribee Master's Star-bright	P. Chirnside ..	Jersey	7,110	5'70	405'18	Masterpiece (imp.)
8	Daisy 3rd of Ballara ..	G. Esler ..	"	7,665	5'21	399'28	Silver Boy of Wooronga
9	Rosebud 2nd of Paradise	J. A. Huffer ..	"	7,101	5'62	399'01	Werribee Northern Larkspur's Fancy
10	Victoria Freemartin ..	Department of Agriculture	Friesian	10,589	3'69	391'08	Victoria Songboy
11	Werribee Master's Bluebell	P. Chirnside ..	Jersey	5,862	6'57	385'36	Masterpiece (imp.)
12	Novelty of Parkview ..	J. McDougall ..	"	7,146	5'24	374'25	Toney of Fairview
13	Garene 2nd of Bruce Vale	P. Chirnside ..	"	5,234	7'04	372'19	Werribee Madeira's King
14	Staghorn Fancy's Promise	F. Bidgood ..	"	6,732	5'49	369'89	Madeira's King of Staghorn
15	Peerless 2nd of Rosemont	R. H. Maher ..	"	6,615	5'55	366'97	Rosella 2nd's Noble of Rosemont
16	Cora of Linga Longa ..	F. Austin ..	"	5,805	6'31	366'51	Dawn of Warendia
17	Bunt 2nd of Coliban ..	A. A. Broad ..	"	7,005	5'21	364'67	Carrie's Boy of Coliban
18	Daphne of Hyde Park ..	Telford Estate ..	Ayrshire	8,346	4'27	356'38	Elsdon of Willow Vale
19	Maitlands Petal 2nd of Elouera	J. Clyne ..	Jersey	6,976	5'09	354'92	Double Twylish of Elouera
20	Laurel of Parkview ..	J. McDougall ..	"	6,309	5'60	353'49	Misfortune of Kelburn
21	Romany Lass of Belgonia	P. J. Maloney ..	"	7,062	4'99	352'73	Prince of Belgonia
22	Sundew of Springhurst ..	J. D. Read ..	"	6,327	5'56	351'80	Cromwell of Springhurst
23	Fairy of Taranah ..	C. W. Macauley ..	"	5,598	6'28	351'40	Lily 6th Son of Melrose
24	Silvermine 28th of Banyule	C. G. Lyon ..	"	6,543	5'32	348'41	Moleskin Chief of Banyule
25	Boree 2nd of Springhurst	J. D. Read ..	"	6,031	5'77	347'90	Alloy of Banyule
26	Charmian 3rd of Warendia	T. Mesley ..	"	5,967	5'78	344'99	Kewpie of Warendia
27	Jubilant 3rd of St. Albans	A. W. Jones and Son	"	7,216	4'77	344'56	Brighton King 8th
28	Carrie 3rd of Queen's Vale	W. H. Hurrey ..	"	5,274	6'50	342'06	Linda's Record 7th of King's Vale
29	Cora of Linga Longa ..	F. Austin ..	"	5,464	6'21	339'13	Dawn of Warendia
30	Ashby Queenie 3rd ..	Dickinson Bros. ..	Friesian	8,961	3'78	338'42	Bolobek General
31	Music of Brucevale ..	T. M. Noble ..	Jersey	5,805	5'83	338'23	Kewpie of Warendia
32	Glenflorrie ..	Simpson and Charlton	"	6,183	5'40	334'07	Glenarkspur
33	St. Alban's Longbeach Netherland Princess	A. W. Jones and Son	Friesian	9,393	3'53	331'19	Kornध्ये Colantha
34	Hawthorn 10th of Banyule	C. G. Lyon ..	Jersey	5,835	5'66	330'37	M.A.T. of Banyule
35	Victoria Magnolia ..	Department of Agriculture	Red Poll	7,518	4'39	330'17	Wing Major
36	Silvermine 29th of Banyule	C. G. Lyon ..	Jersey	6,501	5'08	330'01	Molly's Twylish of Banyule
37	Crescendo of Banyule ..	C. G. Lyon ..	"	5,814	5'66	329'31	Moleskin Chief of Banyule
38	Victoria Lean Patch ..	Department of Agriculture	Friesian	8,677	3'75	325'53	Victoria Joe Patch
39	Mercedes Queen of Avalon	F. Austin ..	Jersey	5,533	5'88	325'33	Mercedes Chief of Glen Iris
40	Fairy Girl of Rockbank	C. Wade ..	"	6,058	5'37	325'19	Fairy Boy of St. Albans
41	Gold Coin of Methven ..	C. Deverell ..	"	6,384	5'09	325'09	Haig of Springhurst
42	St. Alban's Mercedes Lady	A. W. Jones and Son	Friesian	9,004	3'61	324'82	Westmere Prince Mercedes
43	Scotswood Adoration ..	A. H. Schier ..	Ayrshire	7,710	4'21	324'75	Bellboy of Oakbank
44	Beauty of Linga Longa	F. Austin ..	Jersey	5,016	6'45	323'73	Dawn of Warendia
45	Victoria Distant View ..	Department of Agriculture	Red Poll	7,027	4'59	322'46	Vice Regal
46	Sulla 2nd of Springhurst	J. D. Read ..	Jersey	5,712	5'64	321'91	Cromwell of Springhurst
47	Meadow Queen of Warendia	T. Mesley ..	"	5,920	5'43	321'57	Kewpie of Warendia
48	Mercede's Pansy of Avalon	F. Austin ..	"	5,565	5'77	321'09	Mercedes Chief of Glen Iris
49	St. Alban's Princess May	A. W. Jones and Son	Friesian	9,261	3'45	319'91	St. Alban's May Queen
50	Grant's Duchess of Merivale	C. Wade ..	Jersey	5,974	5'35	319'51	Netherland's Prince Grant of Melrose
51	Victoria Cutty Sulu ..	Department of Agriculture	Red Poll	7,132	4'48	319'19	Vice Regal

* Milked three times daily.

JUNIOR 2 YEAR OLD. (UNDER 2½ YEARS.) 200 LB. STANDARD—continued.

Order of Merit.	Cow.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
				lb.		lb.	
52	Astra of Woorayl ..	Leongatha High School	Jersey	5,634	5'66	319'12	Cream Duke of Glen Iris
53	Beryl of Paradise ..	H. N. Littleddyke ..	"	6,183	5'15	318'62	Werribee Northern Larkspur's Fancy
54	Greenvale Tot 2nd ..	J. Plattfuss ..	Friesian	7,902	4'02	317'62	Lydholme Segis Paxton
55	Silver Queen of Leura ..	W. Axford ..	Jersey	6,480	4'86	314'69	Grant of Melrose
56	Melba of Roseleigh ..	G. Gange ..	Ayrshire	7,326	4'29	314'40	Marquis of Roseleigh
57	Daphne of Somerville ..	J. Hutchinson and Son	Jersey	7,145	4'40	314'03	Little King of Somerville
58	Fox's Clementine 3rd of Staghorn	F. Bidgood ..	"	6,144	5'09	312'93	Werribee Fancy Butter King
59	St. Alban's Daffodil Queen	A. W. Jones and Son	Friesian	8,958	3'49	312'88	Rosevale Korndyke Colan-tha
60	Azalea 2nd of Springhurst	J. D. Read ..	Jersey	5,586	5'59	312'07	Starbright's Prince of Glen Iris
61	Burnbank Springfield Patch	J. Plattfuss ..	Friesian	8,508	3'66	311'69	Rock Patch
62	Warwick Pollyanna ..	C. S. Walker ..	Jersey	6,045	5'15	311'13	
63	Dame of Bellaire ..	W. H. Hurrey ..	"	5,790	5'37	310'83	Eureka of Banyule
64	Eva of Roseleigh ..	G. Gange ..	Ayrshire	7,029	4'42	310'38	Marquis of Roseleigh
65	Anne of Aveley ..	H. Luxton ..	Jersey	7,099	4'36	309'64	Kaffir Thorn
66	Chillie of Springhurst ..	J. D. Read ..	"	6,552	4'72	309'11	Alloy of Banyule
67	Victoria Velvet Crown	Department of Agriculture	Red Poll	6,141	5'01	307'94	Vice Regal
68	Ashby Phyllis 5th ..	Dickinson Bros. ..	Friesian	9,136	3'37	307'81	Bolobek General
69	Mabel's Petal 3rd of Banyule	C. G. Lyon ..	Jersey	5,290	5'81	307'25	M.A.T. of Banyule
70	Starflinch 8th of Banyule	C. G. Lyon ..	"	5,878	5'22	307'05	Wotton Airman (Imp.)
71	Starbright 2nd of Brucevale	F. Trevasaks ..	"	6,270	4'88	306'10	Werribee Madeira's Northwood King
72	Phyllis of Brucevale ..	J. Clyne ..	"	5,568	5'55	305'74	Kinnor of Banyule
73	My Hope of Swansea ..	E. A. Dennis ..	"	5,388	5'67	305'67	Tiny's Treasure
74	Marguerite of Paradise ..	H. N. Littleddyke ..	"	5,832	5'20	303'51	Werribee Northern Larkspur's Fancy
75	Bona Vista Marcia ..	J. G. Lobb ..	Ayrshire	6,959	4'35	302'91	Dunrobin of Glenzowie
76	Annie Laurie of Leatherne	Gibson Bros. ..	Jersey	5,346	5'65	302'31	Anette's Chief 2nd of Linden
77	Ashby Cecelia ..	Dickinson Bros. ..	Friesian	7,933	3'79	300'87	St. Alban's May Queen
78	Jessie 40th of Melrose ..	G. Dwyer ..	Jersey	4,729	6'35	300'48	Netherland Prince Golden Fern's Viscount (Imp.)
79	Irene of Tregorland ..	J. Tuckey ..	Ayrshire	6,199	4'84	299'06	Bonnie Earl of Gowrie Park
80	Lassie of Ballara ..	F. Trevasaks ..	Jersey	6,204	4'81	298'46	Silver Boy of Wooringa
81	Mollie Lass of Greenwood	K. McGarvie ..	"	5,835	5'11	298'14	Emulator of Greenwood
82	Music of Linga Longa ..	Mrs. I. Beard ..	"	5,173	5'74	296'93	Dawn of Warena
83	Bonnie 3rd of Iford ..	R. J. Henry ..	"	6,109	4'86	296'81	Vanilla Chief of Banyule
84	Peggy of Ben Kell ..	R. Ralston ..	Ayrshire	5,650	5'25	296'59	Ruff of Oakbank
85	Dunalister Perree's Noble Zarina	D. Peter ..	Jersey	5,348	5'34	296'05	Perree's Duke (Imp.)
86	Dainty of Grangelea ..	A. A. Broad ..	"	5,175	5'71	295'70	Golden Twylsh
87	Lotus Flower of Glenwood	H. N. Littleddyke ..	"	4,505	6'55	294'07	Lotus King of Staghorn
88	Rarity of Edmonton ..	H. Cowling ..	"	4,758	6'19	294'48	Big Chief of Glen Iris
89	Laura of Devon Park ..	Simpson and Charl-ton	"	4,849	6'07	294'41	Golden Fern's Viscount
90	Vanilla of Rosemont ..	R. H. Maher ..	"	5,338	5'46	292'54	Rosella 2nd's Noble of Rosemont
91	Lady Grey 31st of St. Albans	R. Purnell ..	"	5,106	5'72	292'05	King 3rd of St. Albans
92	Quality's Little Queen of Beverley	W. H. Atherton ..	"	5,187	5'62	291'75	Rajah of Windouran
93	Canary 16th of King's Vale	J. Anderson ..	"	4,815	6'03	290'45	Jessemla's Imperial 5th of King's Vale
94	Startle of Woorayl ..	A. E. Ellis ..	"	4,996	5'81	290'25	Cream Duke of Glen Iris
95	Graceful of Wattle Vale	D. E. Cook ..	"	5,122	5'67	290'23	Duke of Melrose
96	Star Duchess of Glen Iris	C. D. Lloyd ..	"	4,263	6'80	289'91	Starbright's Prince of Glen Iris
97	Moss Vale Springfield	L. L. Russell ..	Friesian	7,361	3'02	288'89	Burnbank Inka Segis Sultan
98	Posch						
99	Golden Jazz of Woodside	Miss S. L. Robinson	Jersey	5,883	4'91	288'87	Montrose Sultan (Imp.)
100	Comfey of Springhurst ..	J. D. Read ..	"	5,632	5'11	288'00	Alloy of Banyule
101	Fairy's Pride of Staghorn	F. Bidgood ..	"	5,742	5'01	287'40	Madeira's King of Staghorn
102	Lady Marge 3rd of Jersey-holm	T. Harvey ..	"	4,356	6'56	285'97	Venture's Hero
103	Fulham Maybelle 2nd ..	Cockbill Bros. ..	Ayrshire	5,968	4'78	285'23	The Laird of Sparrowale
104	Cora 2nd of Elouera ..	J. Clyne ..	Jersey	4,770	5'98	285'03	Double Twylsh of Elouera

JUNIOR 2 YEAR OLD. (UNDER 2½ YEARS.) 200 LB. STANDARD—continued.

Order of Merit.	Cow.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
104	Daffodil 2nd of Goronga Farm	Miss H. E. Raleigh	Jersey	5,347	5'31	283'70	Trumps of Banyule
105	Banksia of Longerenong	Longerenong Agricultural College	Ayrshire	7,153	3'96	283'28	Life Buoy of Gowrie Park
106	Goldy 2nd of Strathbow	F. Raggatt ..	Jersey	4,695	6'03	282'93	Robert of Melrose
107	Sweet Star of Glen Iris	C. D. Lloyd ..	"	4,735	5'97	282'89	Sweetbrad's Duke of Glen Iris
108	Merle of Longerenong ..	Longerenong Agricultural College	Ayrshire	6,172	4'58	282'72	Aristocrat of Woongarra
109	Victoria Silver Slipper	Department of Agriculture	Red Poll	6,075	4'23	282'35	Vice Regal
110	Blossom of Woolamal Park	G. A. Kent ..	Ayrshire	6,404	4'41	282'19	Statesman of Gowrie Park
111	Cream Star of Woorayl	Leongatha High School	"	4,641	6'07	281'87	Cream Duke of Glen Iris
112	Greta of Glenallwyn ..	W. H. Axford ..	Jersey	4,838	5'82	281'69	Retford Peer
113	Burnbank Lolkje Patch	J. Plattfuss ..	Friesian	3,485	3'32	281'37	Rock Patch
114	Princess Marie of Aberdour	Alston Estate ..	Jersey	5,307	5'20	280'95	Bouquet of Tarnpirr
115	Fairy's Hope of Staghorn	F. Bidgood ..	"	5,985	4'69	280'84	Butter King of Staghorn
116	Lassie Fowler 12th of Melrose	M. Lyons ..	"	4,723	5'93	280'25	Jessie 13th's Count of Melrose
117	Court Beauty of Somerville	J. Hutchinson and Son	"	5,544	5'03	278'73	His Majesty of Somerville
118	Buttercup of Leathorne	Gibson Bros. ..	"	4,326	6'44	278'70	Annette's Chief 2nd of Linden
119	St. Albans Annett's Queen	A. W. Jones and Son	Friesian	7,545	3'69	278'44	Rosevale Korndyke Colantha
120	Blossom 7th of Melrose	W. Woodmason ..	Jersey	4,791	5'79	277'75	Jessie 13th Count of Melrose
121	Nesta of Holly Green ..	H. L. Webb ..	Ayrshire	6,294	4'40	276'76	Headlight of Holly Green
122	Playrose of Swansea ..	E. A. Dennis ..	Jersey	5,511	5'01	276'04	Playboy of Swansea
123	Westmere Pontiac Ormsby	J. T. Tweddle ..	Friesian	7,437	3'70	275'31	Woodcrest Pietje Pontiac
124	Silvermine of Comely Banks	Finn Bros. ..	Jersey	4,503	6'10	274'75	Lily's Lad of Holmwood
125	Scotswood Model ..	A. H. Schler ..	Ayrshire	7,197	3'82	274'74	Bell Boy of Oakbank
126	Vera of Greenwood ..	K. McGarvie ..	Jersey	5,601	4'88	273'57	Golden Hero of Greenwood
127	Norat Gossamer	Mrs. A. Black ..	"	4,840	5'65	273'55	Best Choice of Tarnpirr
128	Maid of Milliana Park	W. H. Adams ..	Ayrshire	5,621	4'86	273'27	Merman of Retreat
129	Fulham Lucy ..	Cockbill Bros. ..	"	6,328	4'32	273'18	His Majesty of Wethersdale
130	Victoria Carraway ..	Department of Agriculture	Friesian	8,482	3'22	273'15	Victoria Joe Patch
131	Filpail 12th of Carracoorte	W. Henderson ..	Ayrshire	5,837	4'68	273'09	Lena's Problem of Carracoorte
132	Keynote 2nd of Warendia	T. Mesley ..	Jersey	4,591	5'94	272'64	Kinnor of Banyule
133	Victoria Sweetbriar ..	Department of Agriculture	Red Poll	5,850	4'65	271'96	Belligerent (imp.)
134	Letty of Aveley ..	H. Luxton ..	Jersey	5,709	4'76	271'74	Choirmaster of Banyule
135	Cootamundra of Wattle Vale	D. E. Cook ..	"	4,651	5'83	271'38	Duke of Melrose
136	Dunalister Mannikin's Perree's Attractive 4th	D. Peter ..	"	4,488	6'03	270'58	Mannikin of Glen Iris
137	Kith of Tregorland ..	J. Tuckey ..	Ayrshire	5,508	4'91	270'40	Bonnie Earl of Gowrie Park
138	Victoria Velvicene ..	Department of Agriculture	Red Poll	5,692	4'74	270'02	Vice Regal
139	Brilliant Molly of Linga Longa	Mrs. I. Beard ..	Jersey	4,443	6'07	269'01	Dawn of Warendia
140	Dunalister Perree's Jersey Maid 2nd	D. Peter ..	"	4,456	6'03	268'48	Perree's Duke
141	Lulu 5th of Roelands ..	W. H. Hurrey ..	"	5,367	5'00	268'13	Noble Duke of Glen Iris
142	Cello 2nd of Warendia ..	Mrs. A. Black ..	"	5,470	4'90	268'02	Kinnor of Banyule
143	Dimple of Queen's Vale	Mrs. I. Beard ..	"	4,579	5'85	267'67	Daphne's Peer of Queen's Vale
144	Carnation of Colac ..	N. C. De La Rue ..	"	5,133	5'21	267'46	Golden Twylish of Colac
145	Primrose of Longerenong	Longerenong Agricultural College	Ayrshire	5,994	4'42	265'70	Life Buoy of Gowrie Park
146	Lady Monica 18th of King's Vale	J. Anderson ..	Jersey	4,770	5'56	265'35	Jessemla's Imperial 5th of King's Vale
147	Roseleaf of Roseleigh ..	G. Gange ..	Ayrshire	6,511	4'08	265'34	Deacon of Gowrie Park
148	Jascha Princess of Methven	C. Deverell ..	Jersey	5,544	4'76	264'17	Jascha of Nerang
149	Lady Grey 2nd of Rose-dale View	J. J. Baker ..	"	4,527	5'82	263'59	Twylish Expectation of Banyule
150	Mercedes Buttercup 4th of Avalon	F. Austin ..	"	5,310	4'95	262'59	Mercedes Chief of Glen Iris
151	Margie of Colac ..	N. C. De La Rue ..	"	4,548	5'74	261'25	Twylish Queen's Fox
152	Blossom 8th of Melrose	W. Woodmason ..	"	5,037	5'18	260'90	Golden Fern's Viscount
153	Kitten of Tregorland ..	J. Tuckey ..	Ayrshire	6,004	4'35	260'89	Bonnie Earl of Gowrie Park

JUNIOR 2 YEAR OLD. (UNDER 2½ YEARS.) 200 LB. STANDARD—continued.

Order of Merit.	Cow.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
				lb.		lb.	
154	Linda 3 of the Valley ..	Mrs. B. M. Lennie	Jersey	5,391	4'83	260'34	Foxglove of the Valley
155	Verbena of Melwood ..	E. Hall ..	"	4,801	5'41	259'69	Laddie of Belgonia
156	Music of the Valley ..	E. M. Lennie ..	"	5,193	4'99	258'91	Sweet Fox of the Valley
157	Lena of Greenwood ..	K. McGarvie ..	"	5,632	4'59	258'27	Golden Hero
158	Flower of River Glen ..	N. Gange ..	Ayrshire	6,297	4'10	258'09	Fuchsia's Fredrick of War-rook
159	Golden Wattle of Beverly	W. H. Atherton ..	Jersey	4,251	6'07	257'95	Rajah of Wendouran
160	Melba of Blinkbrae ..	J. Pettit ..	Ayrshire	5,736	4'48	257'24	Lustre of Dunachton
161	Alice of Holly Green ..	H. L. Webb ..	"	6,051	4'23	256'00	Head Light of Holly Green
162	Sweet Lotus of Staghorn	F. Biddood ..	Jersey	4,911	5'21	255'85	Madeira's King of Staghorn
163	Soprano 5th of Banyule	C. G. Lyon ..	"	4,267	5'90	255'79	Wotton Airman (Imp.)
164	Lady Fowler of Rose-mont	R. Maher ..	"	4,593	5'56	255'53	Rosella's 2nd Noble of Rose-mont
165	Fulham Daphnia ..	Cockbill Bros. ..	Ayrshire	6,652	3'83	254'72	Rocket of Springfield
166	Maisie of Cathcart ..	A. W. Gorman ..	"	5,812	4'36	254'41	Major of Cathcart
167	Dunalister Mannikin's Perce's Capture 3rd	D. Peter ..	Jersey	4,311	5'90	254'35	Mannikin of Glen Iris
168	Rye Sweet Duchess of Glen Iris	C. D. Lloyd ..	"	4,978	5'10	254'09	Sweetbread's Duke of Glen Iris
169	Favourite of Cathcart ..	A. W. Gorman ..	Ayrshire	5,538	4'58	253'73	Poppv's Advance of Ben Kell
170	Majd 2nd of Aveley ..	H. Luxton ..	Jersey	4,486	5'64	253'08	Choirmaster of Banyule
171	Linda of Greenwood ..	K. McGarvie ..	"	4,607	5'49	252'99	Golden Hero of Greenwood
172	Cream Princess of Glen Iris	C. D. Lloyd ..	"	4,629	5'46	252'74	Mercedes Prince of Glen Iris
173	Gift of Glenallwyn ..	K. McGarvie ..	"	4,632	5'42	250'93	Retford Peer
174	Noble's Buttercup of Avalon	F. Austin ..	"	4,104	6'11	250'91	Noble of Linden
175	Fairy Queen of Blackwood Valley	D. E. Cook ..	"	3,964	6'32	250'72	Retford Mourler Lad
176	Charm of Blackwood Valley	J. Cook ..	"	4,689	5'34	250'44	Woodruff Admiral
177	Starlight of Roseneath..	R. Goodman ..	Ayrshire	6,013	4'15	249'42	Selkirk of Rythdale Park
178	Trinket of Aveley ..	H. Luxton ..	Jersey	5,023	4'95	248'76	Choirmaster of Banyule
179	Noorat Freedom ..	Mrs. A. Black ..	"	4,339	5'73	248'73	Anvil of Glen Iris
180	Bolinda's Handsome Girl of Linga Longa	F. Austin ..	"	3,505	7'09	248'50	Jessie's Handsome Boy
181	Dulcie of Woolamal Park	G. Kent ..	Ayrshire	5,893	4'22	248'49	Statesman of Gowrie Park
182	Victoria Cutaway ..	Department of Agriculture	Red Foll	5,493	4'62	248'25	Longford Major (Imp.)
183	Victoria Blue Ribbon ..	Department of Agriculture	"	5,070	4'89	248'10	Earl of Beaconsfield
184	Bauhemia 2nd of Spring-hurst	J. D. Read ..	Jersey	4,669	5'29	247'19	Alloy of Banyule
185	Monda 2nd of Aveley ..	H. Luxton ..	"	4,569	5'40	246'81	Werribee Fancy Butter King
186	Iris of Tregorland ..	J. T. Tuckey ..	Ayrshire	5,601	4'40	246'63	Bonnie Earl of Gowrie Park
187	Grand March of Warend	T. Mesley ..	Jersey	4,422	5'57	246'45	Kewpie of Warend
188	Laurel of Catchart ..	A. W. Gorman ..	"	6,249	3'94	246'44	Inquisitor of Ben Kell
189	Clover 3rd of Springhurst	J. D. Read ..	"	4,014	6'12	245'55	Alloy of Banyule
190	Rose of Greenwood ..	K. McGarvie ..	"	5,063	4'84	245'30	Elain's 2nd Judge of Melk-sham Park
191	Iris of Jersey Vale ..	Mrs. L. Orchard ..	"	4,686	5'23	244'96	Choice 2nd of Tarnpurr
192	Twins of the Valley ..	Mrs. L. Lowing ..	"	4,204	5'81	244'29	Foxglove of the Valley
193	Bolobek Antonia ..	O. J. Syme ..	Friesian	7,306	3'34	243'81	Colantha Van Wild Rose
194	Bright of Cathcart ..	A. W. Gorman ..	Ayrshire	5,790	4'21	243'51	Poppv's Advance of Ben Kell
195	Carnation 2nd of Green-wood	K. McGarvie ..	Jersey	4,258	5'09	242'29	Elain's 2nd Judge of Melk-sham Park
196	Fairy Queen of Rockbank	C. Wade ..	"	4,806	5'04	242'09	Fairy Boy of St. Albans
197	Trifle of Cloverfield ..	A. Joshua ..	"	4,102	5'90	242'02	Rajah of Springhurst
198	Peerless of Devon Park	Simpson and Charlton	"	3,769	6'42	241'94	Golden Fern's Viscount (Imp.)
199	Letty of Cathcart ..	W. Muhlebach ..	Ayrshire	5,574	4'34	241'82	Inquisitive of Ben Kell
200	Merle of Woolamal Park	G. Kent ..	"	4,926	4'89	241'09	Statesman of Gowrie Park
201	Tribby of Willow Park ..	W. K. Atkinson ..	Shorthorn	5,482	4'77	239'65	Stratagem of Willow Park
202	Valdera of Aveley ..	H. Luxton ..	Jersey	4,143	5'37	239'10	Choirmaster of Banyule
203	Luck of the Valley ..	Mrs. L. Lowing ..	"	4,416	5'40	238'55	Foxglove of the Valley
204	Lassie Fowler 2nd of Rose-mont	R. H. Maher ..	"	3,947	6'03	238'20	Cobber of Banyule
205	Greenvale Rose ..	J. Plattfus ..	Friesian	5,952	3'99	237'70	Victoria Rose Patch
206	Peccies of Woolamal Park	G. A. Kent ..	Ayrshire	5,190	4'57	237'41	Statesman of Gowrie Park
207	Cornflower 3rd of Spring-hurst	J. D. Read ..	Jersey	4,276	5'65	237'20	Alloy of Banyule
208	Scotswood Madeira ..	A. H. Schier ..	Ayrshire	5,413	4'38	236'99	Bellboy of Oakbank

JUNIOR 2 YEAR OLD. (UNDER 2½ YEARS.) 200 LB. STANDARD—continued.

Order of Merit.	Cow.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
				lb.		lb.	
209	Boronia of Yorkshire ..	H. Allez ..	Friesian	6,606	3'58	236'76	Dominion Oakwood
210	Kyora's Velveteen 3rd..	S. L. Robinson ..	Jersey	4,540	5'20	236'17	Werribee Wyandotte's Fancy
211	Golden Sand of Glen Valley	J. A. Huffer ..	"	5,074	4'65	236'12	Dunallister Lotina's Bright Lad
212	Nellie of Blackwood Grove	A. E. Ellis ..	"	4,905	4'81	236'00	Whistler of Holbrook
213	Westmere Pontiac Lassie	J. T. Tweddle ..	Friesian	6,402	3'65	233'84	Woodcrest Pletje Pontiac
214	Yarra Brae Gracedale ..	T. J. McGilliard ..	"	6,760	3'44	232'63	Victoria Double Oak De Kol
215	Lilly 2nd of the Valley ..	Mrs. E. M. Lennie ..	Jersey	4,516	5'15	232'50	Foxglove of the Valley
216	Colinga of Methven ..	C. Deverell ..	"	4,215	5'51	232'36	Jascha of Nerang
217	Topsy of Greenwood ..	K. McGarvie ..	"	5,088	4'55	231'71	Emulator of Greenwood
218	Cymbal of Benguella ..	S. Earle ..	"	4,620	5'01	231'55	Cream Lad 2nd of Lesterfield
219	Kite of Tregorland ..	J. Tuckey ..	Ayrshire	5,476	4'23	231'32	Bonnie Earl of Gowrie Park
220	Victoria Smyrna ..	Department of Agriculture	Red Poll	5,203	4'43	230'74	Vice Regal
221	Dewdrop of Glen Cocee	A. Wallace ..	Ayrshire	5,706	4'03	230'11	Boshter of Oakbank
222	Lillian 4th of Carracoorte	W. Henderson ..	"	5,515	4'16	229'55	Sebastian of Sparrovale
223	Ixia of Methven ..	C. Deverell ..	Jersey	4,275	5'37	229'65	Haig of Springhurst
224	Holly of Benguella ..	S. Earle ..	"	4,302	5'32	228'91	Kenta's King of Somerville
225	Joybelle 2nd of Ballara..	F. Trevasakis ..	"	3,519	6'49	228'31	Silver Boy of Worlinga
226	Belle of Linga Longa ..	Mrs. I. Beard ..	"	4,269	5'34	228'16	Jessie's Handsome Boy
227	Shirley of Sparrovale ..	Geelong Harbour Trust	Ayrshire	5,421	4'21	228'04	Maxwell of Sparrovale
228	Her Majesty of Somerville	J. Hutchinson and Son	Jersey	5,262	4'38	227'86	His Majesty of Somerville
229	Miss Prim of Riversdale	W. C. Cayley ..	Ayrshire	5,359	4'23	226'72	Beauty's Pride of Retreat
230	Ranunculus of Springhurst	J. D. Read ..	Jersey	3,969	5'70	226'35	Alloy of Banyule
231	St. Alban's Queen Lady Mary	A. W. Jones and Son	Friesian	6,826	3'30	225'33	Rosevale Korndyke Colantha
232	Fulham Beauty ..	Cockbill Bros. ..	Ayrshire	5,340	4'21	225'00	His Majesty of Wethersdane
233	Burnbank Inka Sylvia Bainfield	J. T. Tweddle ..	Friesian	5,941	3'78	224'78	Rosevale Inka Sylvia Burkeyle
234	Anemone of Longerenong	Longerenong Agricultural College	Ayrshire	4,780	4'70	224'72	Life Buoy of Gowrie Park
235	Nancy Belle of Wattle Bank	J. Huffer ..	Jersey	4,963	4'53	224'69	Pretty King of Koorawatha
236	Jessie 39th of Melrose ..	W. Woodmason ..	"	4,068	5'48	222'85	Golden Fern's Viscount
237	Rene of Retreat ..	H. V. McKay Estate	Ayrshire	5,470	4'07	222'68	Donald of Retreat
238	Fuchsia 6th of Melksham Park	K. McGarvie ..	Jersey	4,313	5'13	221'31	Bena's Beau of Melksham Park
239	Carnation of Peri ..	J. Phillips ..	"	4,926	4'49	221'29	Bosun's Pride of Peri
240	Charming Beauty of Blackwood Valley	P. H. Lawrence ..	"	4,218	5'26	220'94	Retford Mouric Lad
241	Pearl 2nd of Aveley ..	H. Luxton ..	"	3,969	5'57	220'92	Cholrmaster of Banyule
242	Valda's Rose of Aveley	H. Luxton ..	"	3,967	5'57	220'88	Kaffir Thorn of Banyule
243	Aletta of Roseleigh ..	G. Gange ..	Ayrshire	5,223	4'23	220'76	Fuchsia's Frederick of Warrook
244	Scotswood Merline ..	A. H. Schler ..	"	4,684	4'71	220'70	Bellboy of Oakbank
245	Lady Grey of Rosedale View	J. J. Baker ..	Jersey	3,415	6'46	220'64	Twylsh Expectation of Banyule
246	Kyora Sultan's Adore ..	Miss S. L. Robinson	"	4,014	5'47	219'40	Montrose Sultan (Imp.)
247	Verbena of Sparrovale	Geelong Harbour Trust	Ayrshire	4,404	4'98	219'35	Kenilworth of Sparrovale
248	Lassie Fowler 13th of Melrose	W. Woodmason ..	Jersey	3,985	5'48	218'45	Golden Fern's Viscount
249	Sweet Belle of Wattle Bank	J. Huffer ..	"	4,582	4'75	217'87	Pretty King of Koorawatha
250	Sylvan Grey of Leven Brae	T. R. Findlay ..	"	4,669	4'65	217'29	Twylsh Fox of Colac
251	St. Alban's Longbeach Lady Victoria	A. W. Fox ..	Friesian	6,780	3'20	217'15	Rosevale Korndyke Colantha
252	Perree's Capture of Leven Brae	T. R. Findlay ..	Jersey	4,737	4'57	216'52	Perree's Duke (Imp.)
253	Silvermine 27th of Banyule	C. G. Lyon ..	"	3,530	6'13	216'46	M.A.T. of Banyule
254	Eminent's Magic 2nd of Clarendon Eyre	C. Moody ..	"	4,308	5'01	215'64	Eminent V.C.
255	Beauty of Ballara ..	F. Trevasakis ..	"	4,150	5'18	215'08	Hedge of Banyule
256	Twylsh Countess of Leven Brae	T. R. Findlay ..	"	4,875	4'41	214'93	Twylsh Fox of Colac
257	Norah of Billabong ..	E. A. Dennis ..	"	4,261	5'02	214'09	Alloy of Banyule
258	Poey of Ben Kell ..	R. Ralston ..	Ayrshire	4,815	4'43	213'13	Girvan of Oakbank

JUNIOR 2 YEAR OLD. (UNDER 2½ YEARS.) 200 LB. STANDARD—continued.

Order of Merit.	Cow.	Owner.	Breed.	Milk.	Average Test.	Butter Fat.	Sire.
259	Jenny Lind 20th of Melrose	W. Woodmason ..	Jersey	lb. 3,710	5'72	lb. 212'17	Golden Fern's Viscount
260	Bolobek Milkmaid ..	O. J. Syme ..	Friesian	6,027	3'49	210'32	Colantha Van Wild Rose
261	Beauty of Colac ..	N. C. De La Rue ..	Jersey	4,173	5'03	209'99	Prince of Colac
262	Scotswood Fuchsia ..	A. H. Schier ..	Ayrshire	3,978	5'27	209'84	Bellboy of Oakbank
263	Carnation of Swan Valley	S. T. Algie ..	Shorthorn	5,433	3'86	209'76	Monarch
264	Doreen of Jersey Vale	Mrs. L. Orchard ..	Jersey	3,985	5'25	209'18	Choice 2nd of Tarnplirr
265	Pansy of Ballara ..	F. Trevasiki ..	"	3,676	5'09	209'17	Hedge of Banyule
266	Scotswood Topsy ..	Dookie Agricultural College	Ayrshire	4,995	4'16	207'03	Bellboy of Oakbank
267	Radiant of Cathcart ..	A. W. Gorman ..	"	4,729	4'38	207'26	Inquisitor of Ben Kell
268	Marian of Woolamal Park	G. A. Kent ..	"	4,917	4'20	206'48	Statesman of Gowrie Park
269	Jessie's Daisy of Welbourne	G. Rowe ..	Jersey	4,872	4'22	205'47	Beauty's Prince of Somerville
270	Dainty May of Ben Kell	R. Ralston ..	Ayrshire	4,473	4'58	204'88	Ruff of Oakbank
271	Sophie of Sparrovale ..	Geelong Harbour Trust	"	4,452	4'60	204'54	Maxwell of Sparrovale
272	Victoress of Avey ..	H. Luxton ..	Jersey	4,212	4'84	203'97	Cholmaster of Banyule
273	Roseleaf of Coool ..	Simpson and Charlton	"	3,420	5'93	202'67	Petal's Noble of Coool
274	Scotswood Boronia ..	A. H. Schier ..	Ayrshire	3,957	5'10	201'93	Bell Boy of Oakbank
275	Dunalster Mannikin's Perree's Attractive 3rd	D. Peter ..	Jersey	3,909	5'16	201'59	Mannikin of Glen Iris
276	Scotswood Bettie ..	A. H. Schier ..	Ayrshire	5,076	3'07	201'50	Warwick of Sparrovale
277	Turquoise of Tregorland	J. F. Tuckey ..	"	4,434	4'52	200'63	Laurie of Gowrie Park
278	Kathleen of Tregorland	J. F. Tuckey ..	"	4,365	4'59	200'41	Larus of Gowrie Park
279	Boltonia 2nd of Springhurst	J. D. Read ..	Jersey	4,258	4'70	199'94	Alloy of Banyule
280	Lassie 3rd of Ilford ..	Gilbert and Burns..	"	4,669	4'25	198'44	Vanilla Chief of Banyule
281	Annetta of Roseleigh ..	G. Gange ..	Ayrshire	4,573	4'33	197'79	Fuchsia's Frederick of Warrook
282	Cream Maid of Welbourne	G. Rowe ..	Jersey	4,272	4'62	197'27	Beauty's Prince of Somerville
283	Hazelhurst Charm ..	J. H. Cathro ..	"	4,354	4'52	196'62	Double Twylish of Elouera
284	Mayflower of Roseleigh	G. Gange ..	Ayrshire	4,228	4'64	196'31	Marquis of Roseleigh
285	Victoria Thorn ..	Department of Agriculture	Red Poll	5,089	3'82	194'32	Vice Regal
286	Princess 4th of Strathbow	H. Patullo ..	Jersey	3,666	5'29	194'00	Robert of Melrose
287	Roynburn Muller Alcartra	J. T. Tweddle ..	Friesian	5,385	3'57	192'00	King Alcartra Netherland
288	Viola 6th of Carracoorte	W. Henderson ..	Ayrshire	4,260	4'46	189'82	Donald of Sparrovale
289	Maid of Longerenong ..	Longerenong Agricultural College	"	4,365	4'34	189'52	Life Buoy of Longerenong
290	Pardon I. of Ben Kell	R. Ralston ..	"	4,090	4'60	187'89	Ruff of Oakbank
291	Aileen of Roseleigh ..	G. Gange ..	"	4,402	4'25	187'20	Marquis of Roseleigh
292	Fashion of Ben Kell ..	R. Ralston ..	"	4,500	4'07	186'87	Ruff of Oakbank
293	Lucy 7th of Carracoorte	W. Henderson ..	"	3,990	4'64	185'13	Donald of Sparrovale
294	Thornhill Daisy Clare ..	J. F. Keating ..	Red Poll	4,263	4'32	184'08	Warragul
295	Scotswood Rosella ..	A. H. Schier ..	Ayrshire	4,230	4'23	182'52	Bellboy of Oakbank
296	Mabel of Jersey Vale ..	Mrs. L. Orchard ..	Jersey	3,862	4'64	179'04	Choice 2nd of Tarnplirr
297	Princess 2nd of Roseleigh	G. Gange ..	Ayrshire	4,791	3'73	178'84	Marquis of Roseleigh
298	Brunette of Maylands ..	R. J. Henry ..	Jersey	2,971	6'00	178'15	Racquet of Harcourt
299	Scotswood Garland ..	A. H. Schier ..	Ayrshire	3,970	4'45	176'93	Scotswood Pearl Prince
300	Violet of Jersey Vale ..	Mrs. L. Orchard ..	Jersey	2,835	5'99	169'80	Choice 2nd of Tarnplirr
301	Willga Brown Belle ..	J. H. Cathro ..	"	2,706	6'21	168'12	Haig of Springhurst
302	Jessie of Swansea ..	E. A. Dennis ..	"	3,321	5'05	167'64	Pearl's Twylish
303	Jersey May 4th of Ilford	E. A. Dennis ..	"	3,285	5'06	166'20	Vanilla Chief of Banyule
304	Kyora Starbright ..	M. Lyons ..	"	3,664	4'46	163'57	May's Duke
305	Bright Jewel 2nd of Monabank	R. Faragher ..	"	3,159	4'84	152'80	Foxie of Tarnplirr
306	Scotswood Mussel ..	A. H. Schier ..	Ayrshire	3,201	4'47	143'05	Bellboy of Oakbank
307	Rosebloom 10th of Carracoorte	W. Henderson ..	"	3,285	4'30	141'41	Donald of Sparrovale
308	Bunty 5th of Carracoorte	W. Henderson ..	"	3,015	4'68	141'22	Maxwell of Sparrovale
309	Lucy 6th of Carracoorte	W. Henderson ..	"	3,105	4'26	132'34	Maxwell of Sparrovale
310	Sweet Briar 3rd of Carracoorte	W. Henderson ..	"	2,790	4'70	131'12	Maxwell of Sparrovale
311	Minerva's Balm 7th of Carracoorte	W. Henderson ..	"	3,120	4'11	128'31	Donald of Sparrovale
312	Brownie 10th of Carracoorte	W. Henderson ..	"	2,730	4'55	124'19	Maxwell of Sparrovale
313	Pony 2nd of Carracoorte	W. Henderson ..	"	2,760	4'23	117'42	Maxwell of Sparrovale
314	Blanche 2nd of Carracoorte	W. Henderson ..	"	2,220	4'19	93'02	Maxwell of Sparrovale
315	Mercedes Belle 2nd of Avalon	F. Austin ..	Jersey	1,910	4'87	92'93	Mercedes Chief of Glen Iris
316	Karong Rose 9th ..	J. Baker ..	Red Poll	840	3'41	28'67	Victoria Havelock

THE DAIRYING INDUSTRY IN VICTORIA.

A Historical Sketch.

An Address by Mr. R. Crowe, Exports Superintendent, Broadcast through 3LO.

I have listened-in from time to time to addresses on the history of arts and industries, and have always been deeply interested, and in giving this brief sketch of the Dairying Industry in Victoria, I am hopeful that my hearers, or at any rate some of them, will be as interested as I have been when listening-in to others discoursing on the beginning and development of industries in various countries.

The Beginning of the Industry.

Though to-day the milking machine is common throughout the State, a few years ago it was rare, and well within the period of my life-time there were no such things as separators. Milk was set in dishes and placed on shelves in the dairy, where it was left for from 24 to 48 hours, by which time it was considered that all the cream had risen to the top; and it was then skimmed off the surface. Two or three times a week the collected cream was made into butter by means of a "Dash" churn, or if the quantity were large, "Barrel" churns turned by hand were employed. Many a time I helped to do the churning, and when the cream temperature was too low, the operation was a prolonged one—sometimes running into the second day.

On visiting the Warrnambool Agricultural Show, in 1886 or 1887, I saw a horse working a horse-works outside a tent. At the door of the tent there was a sign indicating that inside a machine could be seen skimming cream from the milk. The price of admission was 1s., and this entrance fee I paid, and sure enough, a machine was to be seen with the fresh milk flowing in through the tap at the top, and lower down skimmed milk and cream were being discharged from two different spouts. As far as I could tell, the cream was of the same colour as ordinary "skimmed" cream, but the skim milk had a faint bluish tint. It was difficult to understand how the work was accomplished until the attendant explained that, by means of centrifugal force, the lighter portion of the milk—the cream—was brought to the centre of the body of milk revolved in the bowl, and that the outlet to the skim milk chamber was drained from the circumference of the body of the milk; whilst the outlet for the lighter portion, or cream, was drained from the inner side of the body of the milk in the bowl.

It was also pointed out that machine-skimming was cleaner, and secured a greater percentage of the cream contained in the milk than was procurable under the old system of setting in dishes, as frequently the milk in dishes thickened before all the cream rose to the surface. This statement I remembered, and in a few years was able to prove its truth. The introduction of the cream separator in some districts was hailed literally by a flourish of trumpets, as the following paragraph from a paper of 18th February, 1888, will show:—

"The cream separator is gradually becoming known to the dairymen of the colony, to whom it is the greatest boon ever introduced. It is being appreciated by all who have had an opportunity

of seeing it tried, as well as many who only know it by repute. So much do the farmers feel interested in it, that between 200 and 300 persons, accompanied by a band of music, travelled to the farm of Mr. W. Foster, Tungamah, a few days ago, to witness a trial of the machine. It was worked satisfactorily by a horse, and an entertainment was given to the guests after the machine worked for a couple of hours."

At this period, there was no prospect for the further development of the dairying industry. The price obtained for butter was irregular, and usually low; sometimes in the spring it was only 3d. and 4d. per lb., though in the autumn, when little was being produced, it went up to 2s. 6d. or 3s.

In 1888, the Vegetable Products Commission was appointed to collect all local data available with regard to the establishment here of new primary industries, and to secure evidence on the same subject from overseas visitors to the Melbourne Centennial International Exhibition. Certain members of this Commission visited New South Wales, where two or three butter factories had already been established. The honour of introducing the factory system there is due to the late Mr. T. S. Mort (of Goldsbrough, Mort & Co.), originator of the New South Wales Fresh Food and Ice Company, which started a factory at Mittagong in 1883. The first Farmers' Co-operative Butter Factory, afterwards known as the Pioneer Factory, was organized by the same instrumentality and started in March, 1884, at Kiama. The farmers at Albion Park then took the matter up themselves, and were successful in starting their factory, and other factories were soon in operation.

Victoria owes a great deal to Mr. Henry Pateson, Manager of the New South Wales Fresh Food and Ice Company; and to Mr. Henry H. Honey, Manager of the Pioneer Dairy Company, for the valuable information they gave before the Royal Commission on Vegetable Products, on 27th April, 1888. The Victorian factory system is based on the information secured from those two gentlemen. The National Agricultural Society (now the Royal) deserves special mention for its commendable efforts towards bringing matters to a practical issue, as also does Mr. David Whitley.

The late Mr. D. Wilson, in giving evidence before the Royal Commission on Vegetable Products, on 18th June, 1888, referred to his modern dairy, established two years before, which was fitted with an engine and separator. He also alluded to an attempt made some eighteen years previous by 23 dairymen and himself to ship butter to London. The result, he said, was disastrous, for the stuff was sold for cart grease; but, undaunted by this failure, he made a very successful shipment in November, 1881. The butter was consigned in the s.s. *Protos*, which sailed in December of that year. It was made up in prints, and sold at 138s. per cwt. in London. There were 38 tons of other dairy butter in the same boat, which was disposed of at 8d. per lb., against Mr. Wilson's return of 14½d.

An original report, dealing with the first attempt at shipment of butter to England, is framed and hanging up in my office. This interesting document was discovered in the vault of the Public Offices

by Mr. J. H. Mullaly, Accountant of the Department. It is in hand-writing (there were no typewriters in those days), and is headed—

“Board of Agriculture, 10th November, 1865.”

and reads as follows:—

“The judges appointed by the Council of the Board of Agriculture to examine the butter which had made the voyage to England and back, and for which premiums had been offered by the Council, have the honour to report as follows, viz.:—‘That we find some of the samples examined in very good condition, and such as would have readily commanded a sale in the English market. In consequence of others of the samples being improperly packed and imperfectly cured, their condition was very indifferent.

‘We would recommend that the Council award the first premium to sample marked “E. C.,” exhibited by Mr. Edwin Collins, Bellarine, Geelong; and the second premium to the sample marked “W. R.,” exhibited by Mr. Rickey, Dean; and that honorable mention be made of the samples as follow, viz., Mr. Rickey, Dean; Mrs. Collins, Cowie’s Creek, Mrs. Swan, Bylands, Kilmore.

‘Considering that the butter has made this voyage to England and back, the judges are of opinion that the test has been a very severe one, and would suggest, that should it be the intention of the Council to offer premiums for butter at a future time, it should be tested in the colony previous to shipment, and afterwards judged and sold in England.

(Signed)

CHARLES WATSON.

G. WHYETT.

JOHN CONNELL.

JOSIAH MITCHELL.’”

The Bonus System.

The Deakin-Gillies Coalition Government, with the late Hon. J. L. Dow as Minister for Agriculture, had a surplus in 1888, and decided to spend portion of it in the promotion of the agricultural, dairy, fruit, and wine industries. A sum of £233,000 was allocated for the purpose of giving bonuses for the establishment of butter factories, creameries, cheese factories, the planting of vineyards, the making of wine, and the planting of orchards; and also for the payment of bonuses on certain exported produce.

It was recognized that butter made in the old way was not of uniform quality, and therefore was unlikely to succeed in the export markets. The amount of the bonus on butter exported was regulated by the price obtained for its sale in the country to which it was exported. For butter sold abroad at or above 7d. per lb. and under 9d., a bonus of 1d. per lb. was paid; for that realizing between 9d. and 10d., the bonus was 1½d. per lb.; that bringing between 10d. and 1s. received a bonus of 2d.; and on butter sold at 1s. or upwards, the bonus paid was 3d. per lb. In this way, during the six years 1889-90 to 1894-95, bonuses totalling £135,488 9s. 1d. were paid to encourage dairying. A great impetus was thus given to the industry in Victoria, and it went ahead by leaps and bounds, the quantity available for export doubling each year. During the first year 369½ tons were exported; whilst in the last

year of the bonus, the quantity had risen to 11,584 $\frac{3}{4}$ tons. The value of the first year's exports was £50,300; five years afterwards, the value of the quantity exported had risen to £1,081,243.

The First Butter Factories in Victoria.

An announcement was made in April, 1888, that a cheese factory was about to be established in Cobden. As the expected daily supply of milk was 1,000 gallons, the promoters considered that, by combining butter-making and cheese-making, the factory could be kept at work throughout the year. It is not recorded whether it was due to a fear of glutting the market with cheese from the whole 1,000 gallons that caused those pioneers to include butter-making as well as cheese-making. When the building was completed, only a butter-making plant was installed, and operations started on 10th October of the same year, and not one pound of cheese has even been made there.

The Victorian Cheese and Butter Factory was registered as a company on 15th September, 1882, to purchase and carry on the business of Mr. G. G. Pierce, Myrniong, Bacchus Marsh. The next companies were those at Eddington, Appin, Bridgewater, Boort, and Jeetho; but as all these made cheese only, Cobden is credited as the pioneer co-operative butter factory of Victoria. This honour was won by a few days only, as the Warrnambool factory commenced on the 26th October—sixteen days later. The Rosebrook factory started early in January, 1889; Macorna, late in January; Koroit, on 2nd February; Thoona, 3rd February; and Tungamah, in June of the same year.

The butter-making plant at Rosebrook was installed in an old disused flour-mill, built of bluestone in the early days by convict labour procured from Tasmania. This place was pulled down some years ago, and nearer to Port Fairy the great "Glaxo" Milk Factory is now operating. At Kilmore, the gaol was converted into a butter factory; whilst at Glenormiston a bluestone wool-shed was used. For a time, at the Glenormiston factory, sixteen of the largest-sized cream-separators were worked in a row, and it was recognized as the largest skimming station in the world. This place has since been altered and enlarged, and used for making dried milk. Later on, Nestlé's established a condensery near Warrnambool, which is reputed to be the largest milk condensery in the world.

In parts of Gippsland, sledges and pack-horses were engaged in the early days in transporting the milk and cream from the dairy farm to the factories, and I saw it taken across the River Murray on a wire cable. A "new chum" in Gippsland, when writing to his friends in Ireland after getting a position on a farm, stated that it was a very queer place indeed; in fact, the people drove about in the winter time on sledges. In his next letter, he mentioned with pride that he had become so proficient in piloting a sledge that he was able to make it "leap a log 2 feet high." All old Gippslanders still remember that in some places, even the butter was packed for miles on horseback over rough tracks or roads. And talk about the milking yards and sheds! Some of them were, in the real sense of the word, awful, and perhaps the less said about them now the better. The pioneers had to do the best they could under the circumstances. They pulled through and made improvements, and progressed with the times. For a long time

past, operations have been carried on under good conditions, although in some places there is still room for improvement.

Notwithstanding all the difficulties, absence of refrigeration, and so on, good butter was made in comparison with that from other countries at the time. This is indicated by the relative price brought on the London market. In the year 1894-95, Victorian butter averaged 3d. per cwt. more for the season than the New Zealand product; and, again, as late as 1899-1900, Victorian butter averaged on the London market 1s. per cwt. higher than New Zealand butter. In 1893-94, Victorian butter averaged within 8s. per cwt. of Danish butter; and in 1895-96, the average difference in price between Victorian and Danish butter was 6s. 6d. per cwt.

The First Milk Testers.

The original method for checking the quality of milk received from suppliers was by means of a creamometer, which was a cylindrical glass tube, divided into percentages. The top 20 per cent. was volumetrically calibrated and marked on the glass. A sample of the supplier's milk was taken, and placed in the tube to set. Next morning, the percentage of cream could be ascertained. This system of testing was always regarded as unreliable, as it was noticed that some cream was spongy, or loose in texture, whilst other creams were close-textured, and subsequent testing proved that milk showing 9 per cent. of cream sometimes produced as much butter as milk, showing 12 per cent. of cream.

In August, 1892, I received a letter from Messrs. E. Cherry and Sons, Gisborne, informing me that they had imported two Babcock testers from America. I immediately wired asking them to forward the larger—a 15-bottle tester—and within a few days I was using it. I think I may therefore claim to have been the first person in Australia to use the Babcock tester. The smaller—a 6-bottle tester—was later purchased by the Euroa Butter Factory. During the same year, a beginning was made to pay for milk according to its butter content. The butter-fat percentage was arrived at by means of the Babcock test, and the commercial butter calculated on that basis. After my visit to New Zealand in 1904, this system of payment was altered over the whole of Victoria to the butter-fat basis, and now this system is in operation over the whole world, excepting in the States of New South Wales and Queensland, where commercial butter still forms the basis of payment. There is no difference to the supplier between the two methods, excepting that the butter-fat method is simpler. When on the other side of the Murray, cream suppliers are paid at the rate of 1s. 3d. per lb. of commercial butter contained in their cream, the price on the Victorian side is 1s. 6d. per lb. for butter-fat; but the amount payable for any given quantity of milk or cream is the same under either system.

An Early Refrigerating Plant.

I remember about 1892 my company ordered a refrigerating plant from Robison Bros., South Melbourne. It was a mechanical compressor, the refrigerating agent being sulphur di-oxide. The townspeople learnt that this machine was to start on a certain date, and some of them came to the butter factory to see it at work. When the machine was charged,

it was found that some of the joints and pipes leaked; and it was a wonder that some of the visitors were not killed in their scramble to get outside and away from the smell of the released refrigerating agent. The piping was made of copper, and one of the leaking bends was mended by brazing a penny over the hole. After repairing and re-making the joints, a fresh start was made, and further difficulties were encountered, which would take too long to relate. It was the first machine of this size made by the firm, and nearly every day I had to take it to pieces owing to the valves breaking and to other troubles. When a valve broke in the same place a second time, I had a new one made, and had it strengthened in the part showing weakness. The summer was passed through without much benefit from the machine, and next season the firm replaced it with a larger and improved one, which worked satisfactorily. Although not an engineer, after these experiences, I think I can claim to know something about the "inwards" of refrigerating machines and about the principles of refrigeration.

The Introduction of Pasteurization.

In the year 1899, Mr. A. N. Pearson, late Chemist for Agriculture, designed a pasteurizing plant, and I accompanied him to Tungamah to carry out a series of experiments. Some three or four weeks were spent there, and when the plant was running smoothly, the neighbouring factory managers and others interested were invited to witness the operation. Mr. Pearson illustrated the system to the first members of the party, and I followed with another group, and explained that the temperature to which the cream was subjected killed all the adult organisms, but not necessarily all the spores. I explained that it was like fallowing a paddock where young weeds were growing; they were killed before they seeded, and when the next lot of seeds germinated, the weeds were again killed, and in this way a cleaner crop could be secured. When I had finished, an old gentleman, with an accent brought from a certain part of the British Isles, stated that my explanation was very interesting, but what he wanted to know was, how "pasteuralizing," as he termed it, increased the test. The only explanation that could be given was that, if an improved product was made, it should command a higher price. Now, pasteurizing of the cream is generally adopted, and the dairying industry is one of the principal staple industries in Victoria.

The Value of the Dairying Industry.

It may interest listeners-in to know that, for the year 1924-25, the value of wool produced in Victoria was £11,440,240; and of wheat, £11,993,546. The estimated worth of milk and milk products—that is, milk consumed in its natural state, butter, cheese, cream, condensed and powdered milk, casein, milk sugar, &c.—totalled £10,381,175; and if the value of pigs be added, the total dairy products that year reached £11,487,929. Then there are the calves and poultry and eggs. It will therefore be recognized that the dairying industry is now in the forefront as the staple industry of Victoria.

In any talk on the dairying industry, reference to the Grand Old Man, the late Mr. David Wilson, should not be omitted. It was he

who took such an active part in the introduction of the cream separator and modern dairying back in the eighties, and he was the first Government Dairy Expert, commencing in 1888 at the Centennial International Exhibition, and continuing until his death in 1899. He assisted in the establishment of co-operative butter factories, creameries, cheese factories, and had a travelling dairy to visit country centres for the purpose of stimulating interest in the industry, with phenomenally successful results.

There is about £80,000,000 sterling invested in the dairying industry in Victoria—that is for land, cows, and all the plant, factories, and other accessories.

What a great industry! I am proud to have been associated with its development.

INCUBATION AND CHICKEN RAISING.

An Address by W. C. Rugg, Chief Poultry Expert, Broadcast through 3LO.

Incubation in Egypt and in the Philippines.

Artificial incubation of eggs has been practised in both Egypt and China for over 2,000 years, with the very simplest of appliances, but with unvarying success. In a report published by the American Consul at Cairo in 1895, it was stated that there had been a revival in Egypt of this pursuit, which at one time had fallen to a very low ebb. At the date of his report, he estimated the probable number of egg-ovens as about 150, each of which hatched out about 300,000 chickens per season (the season being the months of February, March, and April). They are all in operation in the centre of agricultural districts. In some cases, a fee is charged for the hatching, and breeders take away their chickens when they are two days old. As a rule, however, the eggs are bought outright for about 16s. per 1,000, and the newly hatched chicks are sold for about 6s. per 100.

Recently I received from Mr. F. M. Fronda, of the University of the Philippines, a bulletin regarding the artificial incubation of duck eggs in the town of Pateros, in the province of Rigal, near the city of Manila, where the industry has been carried on for a very long time. How long, nobody knows; but it has oftentimes been referred to as one as old as the Philippines. It is an industry whose secrets are passed on orally from generation to generation, and there are many traditional stories as to its origin and discovery.

In Pateros there are no less than twenty mammoth incubators, with capacities ranging from 10,000 to 60,000 duck eggs each in a setting; and during the hatching season, which lasts from the beginning of December until the end of March, over 60,000 ducklings are hatched there daily. In fact, the raising of ducks, and the wholesale incubation of their eggs, has been the principal occupation of the people since the birth of the town, which is justly called the Duck Centre of the

Philippines, and the industry has spread to different places in the provinces of Riga, Pampanga, and Bulacan, where large bodies of fresh water are found.

Primitive Methods.

The incubators are built inside a low gable-roofed building of one room, made of bamboo poles, and so constructed that there are no draughts. The incubators consist of cylindrical baskets 20 x 38 inches, arranged inside a box made of bamboo or of wood, insulated on the bottom and on the sides by means of tamped rice hulls of a depth of not less than 4 inches. Heat is furnished during the early part of incubation by heated rice, but during the latter stages this warmth is suspended. The rice is heated in an iron cauldron usually located in a corner of the building. The baskets hold the eggs during the first three weeks of incubation, after which they are arranged side by side on the hatching table. On this table heat is supplied by the developing ducklings themselves, and is maintained by placing two layers of dark-coloured flannel sheets over the eggs.

The placing of the eggs in the incubators is carried out as follows:—They are divided into lots of 125 and placed on a cloth, and are bagged by tying the four corners of the cloth tightly together. These eggs are put in the baskets, which are alternated with bags of unhulled rice heated to about 108 degrees Fahrenheit. In the bottom of each basket is first placed a bag of the hot rice, and then a bag of eggs, and so on alternating, till there are from eight to ten bags of eggs in each basket. On top of each basket are placed two bags of heated rice, and the entire box containing these baskets is covered with a layer or two of cotton sheets. The temperature is maintained by heating the rice afresh each morning and afternoon. To permit of this, the bags have to be removed, and advantage is then taken to turn the eggs. On the twentieth day, the eggs are placed side by side on the hatching table, which has been covered with a layer of rice hulls a couple of inches deep, and is surrounded by curtains to prevent draughts. Thenceforth, no additional heat is supplied to the eggs.

It is claimed that 60 per cent. of all eggs placed in the incubator reach the hatching table, and that, because of really efficient testing, from 90 per cent. of the eggs placed on the table strong vigorous ducklings are hatched. Cripples are not known to occur.

Now, these incubators and the methods of their operation have not been changed for hundreds of years, and yet I doubt whether there are any duck-farmers in Victoria, using the very latest incubators, who can claim to have obtained as good results.

Incubation in Victoria.

In Victoria, the incubation of hen eggs with mammoth incubators having a capacity up to 10,000 eggs, has been carried out with great success during the last few years. It is claimed by most commercial poultry-farmers that the chickens hatched in these mammoth machines are better and stronger than those hatched in the small machines or by hens. This has also been my experience at the Research Farm.

In Victoria, the prolific laying strains of poultry may be compared to the fastest running machinery, which means that they do not last long; in other words, they are short-lived. So the most expensive branch of the poultry-farmer's business is the reproducing of his flock. To keep a flock of laying hens up to the highest point of efficiency means that rigorous culling out of the inefficient birds must be carried out regularly. On most farms, from one-third to three-quarters of the flock has to be replaced annually. Just how much this will cost depends upon the percentage of chickens hatched and matured from a given number of eggs that are incubated. This, to a great extent, is determined by the constitution and vitality of the breeding stock, which in turn is measured by the number and fertility of the eggs laid by them. Constitutional vigour in the breeding stock is absolutely essential to success. It does not matter how good the housing and equipment on the farm, or how well bred the stock is, if they lack constitution and vitality, it will be impossible for them to reproduce pullets that can stand up to the strain of the long year of high egg-production. Poor-quality breeding stock is the cause of probably 50 per cent. of the failures in incubation.

Artificial incubation has many advantages over the natural method, some of which are as follow:—Ability to hatch large numbers of chicks early in the season, when it is usually impossible to get any number of broody hens; assurance that the eggs will not be destroyed by rats or other vermin; assurance that the chicks will be started in life free from external parasites.

I am often asked which is the best incubator. My reply is that there is no best. There certainly are some bad ones, these are usually ones that have been made by amateurs; but the standard Australian, English, and American machines have stood the test of time, and will give satisfaction if good eggs are put into them, and if the machines are properly managed. Some operators fail because they expect too much from the machine when placed in rooms in which there may be too great a range of temperature. Incubators can keep the correct temperature only when placed in a well-ventilated draught-proof room of as even a temperature as possible.

The instructions sent with the machine should be studied, and in the main, followed; but it must always be remembered that manufacturers of incubators cannot be expected to write instructions for operating in all climates. The manufacturer of English machines prepares his instructions to suit local climatic conditions; the same thing may be said of the Australian manufacturer. A machine operating in the dry air in the northern areas will need different treatment from one in use in the moist air near the coast. Therefore, the operator must use his own judgment and find out by experience the exact treatment his machine requires in his own particular incubator room. The majority of failures in incubation that come under my notice are brought about by one or two causes, sometimes both together. One is the use of defective thermometers; the other is the placing of the thermometer in the wrong position in the machine.

Every thermometer, the new as well as second-hand, should be tested before being used in the incubator, for a thermometer is like your

watch—it does not matter very much if a watch run fast or slow as long as its owner knows just how much it gains or loses in a given time. If a thermometer is known to register a little higher or lower than it should, allowance can be made when the reading is being taken. Almost any chemist will test a thermometer for one, or, at any rate will, with a clinical thermometer, show one how it may be tested.

From experience, we find that the correct position of the thermometer in the machine is with the bulb just 2 inches from the tray the eggs rest on, and a convenient way to measure this distance is with an ordinary wooden safety match. If the match is held upright with one end on the wire egg-tray, the other end should touch the bulb of the thermometer.

The most important thing to remember in selecting an incubator is that it pays to get a good one; the value of the eggs to be incubated will amount to a good deal more than the original cost of the incubator. Hen eggs take 21 days to incubate, and the eggs should be turned at least three times a day from the third to the eighteenth day; and if the machine is fitted with an automatic turning device, from six to ten times a day. After the evening of the eighteenth day, the door of the incubator should not be opened on any account whatever until the hatch is over, which will be on the evening of the 21st day if operations have been correct. My experience is that better results are obtained if the chickens are kept up on the egg-tray until the night of the 21st day or morning of the 22nd day, when the moisture trays should be removed and the chicks allowed down into the nursery compartment, where they should be kept perfectly quiet for at least 24 hours before removing to the brooders.

It is a good plan to hang a curtain down in front of the machine to exclude the light when the eggs start to chip.

Care of the Young Chicken.

Chickens should be removed from the incubator in covered baskets or boxes so as to avoid chills. More knowledge and skill is required for the proper brooding and rearing of chicks than is necessary for simply hatching them. If they are checked in their growth and become stunted, the result is slow-maturing, undersized pullets, which are not only poor producers, but nearly always lay small eggs. There are many different kinds of brooders, both home-made and factory-built, in which chickens can be brooded satisfactorily.

For success, there are certain rules that must be followed, whether the chickens are to be reared in lamp-heated brooders, coke-burning colony stove-brooders, or in continuous-pipe brooders. The daily routine that must be followed consists of regulating the temperatures, caring for the lamps or stoves, and cleaning the floors of the brooders. The neglect of any one of these tasks means disaster.

Cold brooding has been tried, and some poultrymen claim to be very successful with it; others have discarded it; but, like most things connected with poultry, it is the personal equation that counts. Some men, and nearly all women, seem to be able to rear chickens with any kind of equipment. One of the chief causes of failure to rear chickens

in brooders is bad ventilation. More chickens are killed every year by too much heat rather than by too little. The more fresh air that can be got into the brooder the better. It is interesting to note that the normal temperature of a man is about 98 degrees; that of a hen is about 106 degrees; and, according to Dr. Kaupp, of the North Carolina Agricultural Experimental Station, the pulse of a heavy-producing hen is 350 times a minute, compared with the human pulse, which averages 72. The respirations of a hen occur about 32 times a minute, while in man they are about eighteen. Chickens have no sweat glands, and much of the liquid intake is eliminated through their respiratory organs, so the air exhaled from the lungs is heavily charged with moisture; this accounts for the high humidity found in badly-ventilated brooders, which often causes chickens to crowd together and sometimes smother; these chickens are often referred to as "sweated." So it is necessary to ensure good ventilation without draughts, and by the constant circulation of air, eliminate the moisture. Quite a number of small lamp-brooders on the market are very badly ventilated, and consequently give poor results.

The next most important thing is feed. Many thousands of chickens die each year from faulty feeding. In Victoria, poultry-keepers are fortunate because, in this State, there are firms who sell chick foods of very fine quality, and the safest plan for many poultrymen is to purchase from firms of long standing who have established a reputation for the quality of their various chicken mixtures.

On a farm where a variety of grains are available, it often pays a breeder best to mix his own feeds.

Charcoal almost a Necessity.

The principal thing to remember with chickens is that they require no food of any description for from 48 to 56 hours after hatching; but at 48 hours they may be given a little coarse sand and very fine charcoal to pick at. The coarse sand passes through into the tiny gizzard, which is then ready to do the work of grinding the food as it passes through from the crop. The charcoal, in my opinion, helps to purify any gases that may have accumulated, and so helps to put the chick's digestive organs into good working order. Not long ago, I read an article condemning the use of charcoal for chicks, the writer stating that, in his experience, many deaths were caused by it. I consider that something else was the cause of the deaths. I have reared many thousands of chicks, also hundreds of turkey chicks, and I am inclined to regard charcoal as being almost a necessity. I believe in putting powdered charcoal into all chick foods for the first two or three weeks; after that, if granulated charcoal is made available to them, they will eat as much as they require.

Environment plays a most important part in the rearing of chicks. They should be given every freedom on clean, fresh grass land, where they can get as much natural food and exercise as possible. If they are reared under cramped conditions in small bare yards, good healthy development cannot be obtained. When chickens are still very young,—say, after they are three or four days old—and the weather is not

favorable for them in the open, much benefit will be derived by them if sods of grass are cut and placed in the brooder runs. They will get a great deal of exercise in scratching in them, and also will pick off young shoots of grass and clover, and probably get many minute insects unseen by us, which are the very things necessary for the young bird's growth and development.

Milk an Essential Food for Chickens.

Milk should be supplied to chickens from the time they are first fed, and its feeding continued as long as possible in the shape of separated milk, dried butter-milk, or dried skim milk. I do not recommend dried whole milk. Where dried butter-milk can be obtained, I know of nothing better. Many farmers' wives obtain good results by allowing the milk from the separator to curdle, and feeding the semi-solid curd to the chicks after the whey has been squeezed from it; this is also one of the best things to feed to laying hens.

In feeding chickens, it does not matter very much whether the milk is sweet or sour, but it should always be fed to them in the same condition; if fed sweet one day and sour the next, bowel troubles are likely to occur.

Conclusion.

Finally, Remember.—Successful incubation begins long before the eggs are laid. The eggs must be from stock of high vitality that have not been forced, and that have had access to plenty of green feed and some form of animal food, as well as grain. The eggs should be even in shape, with shell of good texture. It is best that they should not be more than seven days old, and not under 2 oz. in weight. The incubator should be of standard make, placed in a well-ventilated room of even temperature; and the brooder, too, should be well ventilated and sweet-smelling at all times. If, in addition, one has clean quarters, clean ground, clean food, I think I may almost say, he *must* succeed.

THE PIG INDUSTRY.

(Continued from page 471.)

By R. T. Archer, Senior Dairy Inspector, and A. J. Gill, Senior Herd Tester.

Some Requirements Essential to Success.

If satisfactory returns are to be obtained from the smallest outlay compatible with proper feeding, it is essential that certain other requirements of pigs be met. It is very necessary that they should have a liberal supply of good drinking water. Pigs will not give the best results for food consumed unless they can get all the water they require. The greater part of the external portion of a young pig's body should always be in a moist condition. This moisture is got from liquids drunk, and a pig of 100 lb. in weight requires a gallon of drinking

water daily. Probably 80 per cent. of farmers do not know how necessary is an ample supply of drinking water, and too often pigs have to



A rough, bumpy-shaped side carrying too much fat—from a mongrel pig.

(Note the short cramped ribs.)

depend for the necessary moisture on what slops they happen to get or on the milk given them; consequently they do not usually get enough.



A Poor Side and Ham.

The best time to water sty-fed pigs is after they have had their meals, especially after the noonday meal.

Pigs running in paddocks should always have access to good drinking water, for if they cannot get a clean supply they will drink from dirty holes. One result of this may be that they will develop worm



A Good Ham or Correct Shape, being both deep and broad.

trouble, and it is very difficult to fatten worm-infected pigs, for worms destroy the ability of the animals to assimilate their food. Dirty water holes, as well as dirty utensils, are a common cause of trouble.

Paddocks in which pigs have been kept for years, and which are thickly covered with manure, are frequently the cause of many parasitic

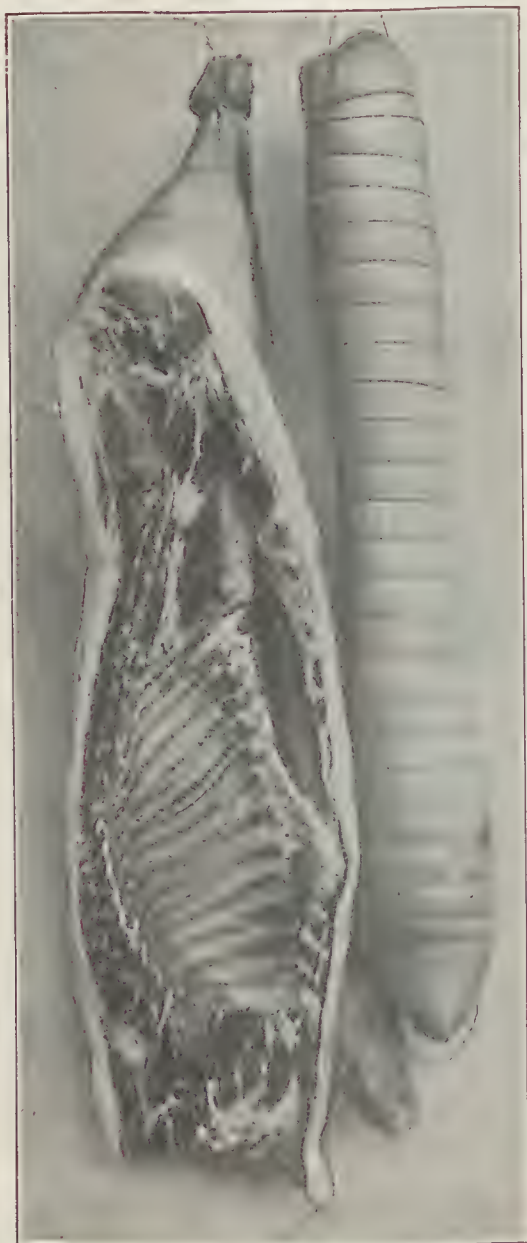
troubles among pigs. A little care in sanitation may save the breeder many pounds and a great deal of anxiety. Changing pigs from paddock



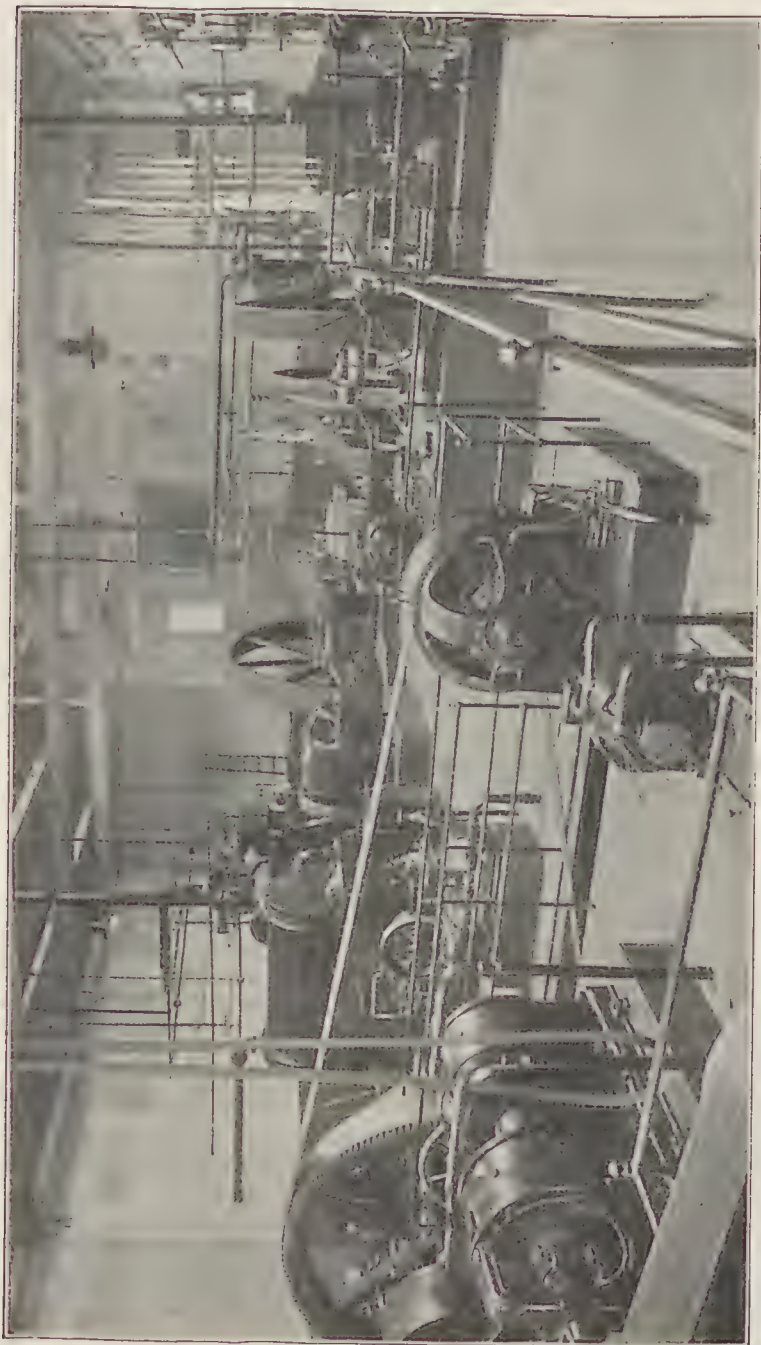
An Inferior Ham.

Narrow and thin—note wrinkled skin. This ham is from a type of pig that would be much too large by the time sufficient fat and muscle had accumulated to make the skin of the ham taut.

to paddock, occasionally ploughing under the manure, re-sowing, top-dressing, and liming are great factors in keeping them healthy.



A Lean Side with Poor Ham—very little flesh on ribs. Only suitable for making into a roll.



Portion of Engine Room of an up-to-date Bacon Factory.

Troughs must be kept clean, and rejected scraps of food should not be left in them from day to day. To keep the stys clean, manure must be frequently scraped out, as well as any other rubbish likely to harbour worm eggs. The walls and floors should be scalded with boiling water to which lye or a strong solution of washing soda has been added. Scalding will destroy the eggs of the worms when ordinary disinfectants may not.

Another matter demanding consideration is the comfort of the pigs. Pigs standing and sleeping in damp dirty stys infected with vermin will not gain in weight as they should. Instead of producing 1 lb. of pork for each 5 lb. of food consumed, they will require 7 or 8 lb. of food for every 1 lb. gained.

They should be kept free from cold draughts, and always given dry beds. Shade is necessary in the hot weather, for pigs do not like to be exposed to a hot sun.

The provision of wallows will always pay for the cost of making, but they must be kept fairly clean. A little crude oil will prevent the pigs from drinking the water, and will destroy vermin and keep the hair and skin in good order. If oil is not used, a little non-poisonous sheep-dip added to the water will be found beneficial.

A question the breeder invariably asks is—What is the greatest expenditure he can make on grain and yet show a profit? Our experience shows that grain purchased at from 1d. to 1½d. a lb. will yield a handsome profit; up to 1½d. will pay, but beyond that the margin will be small. Another question is—Can a sow rear her pigs on pasture or on lucerne alone. Very few pigs can; an old sow running on good pasture may rear her litter, but the majority cannot. It must also be remembered that growing pigs will not fatten on pasture. They will grow, but require grain before they will put on much flesh.

An important question is—How much grain does the pasture save? Our reply is—Good pasture will save up to 50 per cent. A case came under our notice where a number of pigs grazing on lucerne consumed 3 lb. of grain each per day, and when removed from it ate 7 lb. each.

Another important requirement in the raising of pigs is a sufficiency of mineral matter. Charcoal ashes from the house fires should always be emptied into the pig paddock, for they contain some of the elements which will help the pig to thrive. One of our most successful pig-breeders in Gippsland buys charcoal by the ton, and it pays him to do so. Mineral matter may also be given in the form of bone flour, which supplies phosphate of lime, so valuable to the growing pig.

It must always be remembered that a pig gains more in weight for each 1 lb. of food consumed during the first couple of months of his life than afterwards. The result of Danish experiments showed that a pig weighing from—

35 to 75 lb.	gave 1 lb. gain for each 3.76 lb. food.
75 to 115 lb.	gave 1 lb. gain for each 4.35 lb. food.
115 to 155 lb.	gave 1 lb. gain for each 4.66 lb. food.
155 to 195 lb.	gave 1 lb. gain for each 5.13 lb. food.
195 to 235 lb.	gave 1 lb. gain for each 5.40 lb. food.

Therefore, it is cheaper to fatten a young than an old pig.

(to be continued.)

THE WATTLE DISEASE IN FOWLS.

By J. E. Thomas, B.Sc., B.V.Sc., B.Ag.Sc., Forage Research Officer.

A common poultry trouble in certain parts of Victoria, particularly in the warm northern districts, is what is known as Wattle Disease. This condition was discussed in this Journal some years ago* by Dr. Seddon, but it seems necessary, in view of its prevalence, to draw attention to it again. Briefly, the signs and symptoms of the disease are—Following some injury to the wattle—the smallest is sufficient in infected yards—the wattle becomes inflamed and swells. During the next few days, the swelling increases, and on examination a hard mass



Early Onset of the Disease—Wattle Swollen and Congested.

can often be felt. In other cases the whole of the wattle is hard, swollen, and congested. If no treatment be adopted, the skin may break down and the wattle discharge. This goes on for a considerable period with little diminution in the size of the wattle. Later, in bad cases, the whole of the wattle interior may shell out as a dead mass, and the organ will shrivel up. However, it has been found that the germ still lives in the wattle, and therefore such birds are dangerous as carriers of the disease. In other types the swelling may extend up under the throat, often resulting in death, due to interference with the air passages. In such cases the eye is always involved.

The White Leghorn—pullets and cockerels—is the breed usually attacked, whereas Black Orpingtons are relatively free. The more pendulous wattles of the White Leghorns render them more liable to

* July, 1914.

infection from dirt. The disease has been shown to be due to the same germ that causes the dreaded fowl cholera. When the germ gets in through the skin, however, it appears to have lost much of its ability to cause the cholera of the type that kills so rapidly, and seems to show local effects only. In only rare cases does the infected bird show blood poisoning. Yet the germ exhibits many of the characteristics of fowl cholera, for experiments have proved that it is capable of causing the death of a rabbit 24 hours after injection under the skin.

CONTROL.

Should this disease be seen for the first time in the yard, the best plan is to destroy and burn the bird. All birds brought in from outside should be kept in quarantine for a few days in order that the wattle may be examined.



White Leghorn with one Wattle removed as a result of Wattle Disease, and now showing the chronic form in the remaining Wattle.

(Note the distortion and thickening. Such chronic cases are carriers.)

In a yard where the disease is common, it must be recognized that the ground is infected, and the source is the discharge from infected wattles. Disinfection is best done by burning all litter. The buildings, &c., should be sprayed with chloride of lime, and, if possible, the yards should be top-dressed with lime, ploughed and sown down to greenstuff. For enclosed birds concrete floors in the pen are of great benefit in the control of this disease.

The only practicable treatment that can be adopted with infected birds is the removal of the wattle. This is simply done with a sharp knife or a pair of scissors. The wound heals in a very short time. Occasionally there is profuse bleeding when a blood-vessel near the base of the wattle is cut, but there is rarely any danger from this. All instruments should be sterilized in a lysol solution, and the wattles should be burnt.

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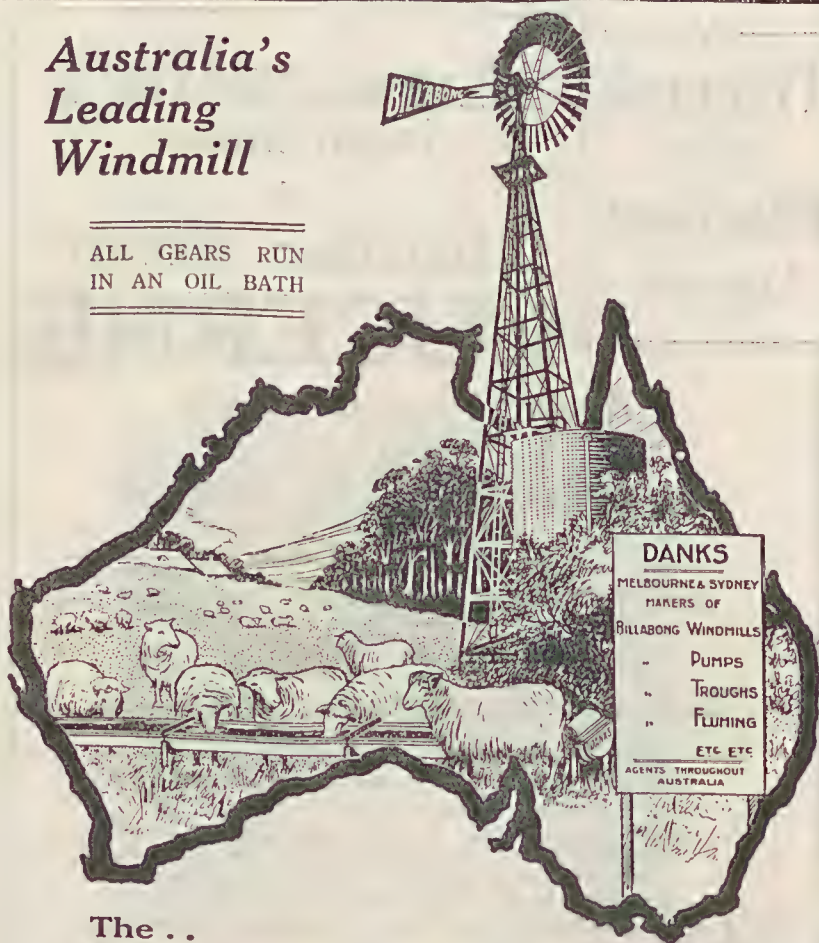
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DEPARTMENT OF AGRICULTURE

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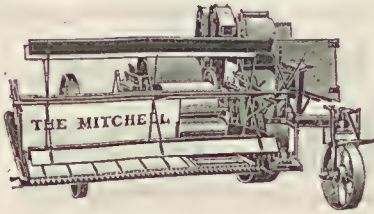
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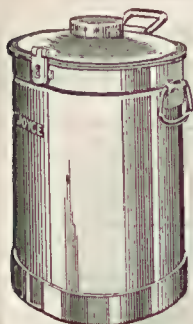
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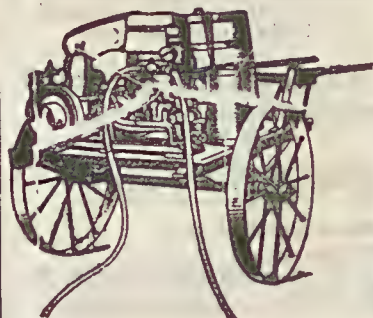
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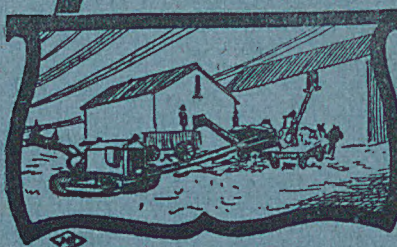
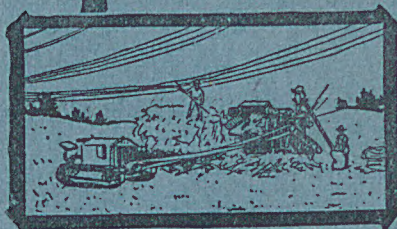
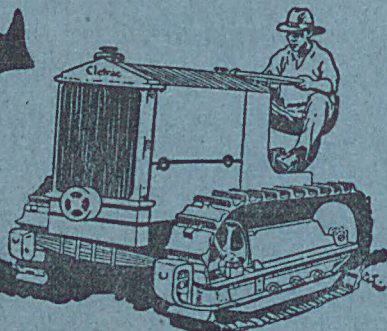
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